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10 CFR 50.4(b)(5)(iii)
10 CFR 50.54(q)(5)
10 CFR 50, Appendix E, Section V

Serial: RA-15-0024
June 15, 2015

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

CATAWBA NUCLEAR STATION, UNITS 1 AND 2
DOCKET NOS. 50-413, 50-414 / RENEWED LICENSE NOS. NPF-35 AND NPF-52

MCGUIRE NUCLEAR STATION, UNITS 1 AND 2
DOCKET NOS. 50-369, 50-370 / RENEWED LICENSE NOS. NPF-9 AND NPF-17

OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3
DOCKET NOS. 50-269, 50-270, 50-287 / RENEWED LICENSE NOS. DPR-38, DPR-47 AND
DPR-55

Subject: TRANSMITTAL OF EMERGENCY PLAN IMPLEMENTING PROCEDURES

Ladies and Gentlemen:

In accordance with 10 CFR 50.4(b)(5)(iii), 10 CFR 50.54(q)(5) and 10 CFR 50, Appendix E, Section V, Duke Energy Carolinas, LLC (Duke Energy) is submitting revised Catawba Nuclear Station, Unit Nos. 1 and 2, McGuire Nuclear Station, Unit Nos. 1 and 2 and Oconee Nuclear Station, Unit Nos. 1, 2 and 3 Emergency Plan Implementing Procedures SR/0/A/2000/003, *Activation of the Emergency Operations Facility*, Revision 6 and SR/0/A/2000/004, *Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire and Oconee*, Revision 5. Additionally, Duke Energy is submitting new fleet Emergency Plan Implementing Procedures AD-EP-ALL-0203, *Protocol for the Field Monitoring Coordinator During Emergency Conditions*, Revision 0, AD-EP-ALL-0204, *Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release*, Revision 0. For Catawba Nuclear Station and Oconee Nuclear Station only, Duke Energy is submitting new fleet Emergency Plan Implementing Procedure AD-EP-ALL-0406, *Duke Emergency Management Network (DEMNET)*, Revision 0. The McGuire Nuclear Station Emergency Plan does not identify procedure AD-EP-ALL-0406 as an Emergency Plan Implementing Procedure.

Duke Energy has evaluated these procedural revisions, in accordance with 10 CFR 50.54(q), and determined that the changes are not a reduction in the effectiveness of the Emergency Plan and that the Plans, as changed, continues to meet the standards of 10 CFR 50.47(b) and the requirements of 10 CFR 50, Appendix E. Enclosure 1 provides a 10 CFR 50.54(q)(5) summary

for the new and revised Emergency Plan Implementing Procedures. Enclosure 2 contains a copy of the new and revised Emergency Plan Implementing Procedures.

This document contains no regulatory commitments.

Please refer any questions regarding this submittal to Mr. Art Zaremba at 980-373-2062.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Christopher Nolan". The signature is fluid and cursive, with a prominent initial "M." and a long, sweeping tail.

M. Christopher Nolan, Director
Nuclear Regulatory Affairs

Enclosures:

1. 10 CFR 50.54(q)(5) Summary
2. Copy of New and Revised Emergency Plan Implementing Procedures

xc (w/attachment)

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10 CFR 50.54(q)(5) Summary

In accordance with 10 CFR 50.54(q)(5), Duke Energy Carolinas, LLC (Duke Energy) is providing a summary of the new and revised Emergency Plan Implementing Procedures being submitted with this letter.

1. SR/0/A/2000/003, Revision 6, *Activation of the Emergency Operations Facility*

The changes to this procedure listed below were made to support implementation of Duke Emergency Management Network (DEMNET) in the Common Emergency Operations Facility (EOF). This is part of a Duke Energy fleet initiative to replace the Decision Line, used to coordinate protective actions among state/county agencies, with the DEMNET. The implementation of DEMNET and this revised procedure enhance Emergency Response Organization readiness to support a classified emergency, resulting in an improved capability to ensure health and safety of plant personnel and the general public. The implementation of DEMNET and this procedure revision is an improvement to the Duke Energy Emergency Preparedness program.

- Revision deleted the existing NOTE about the location of Decision Line dial codes from Page 8 of 15 of Enclosure 6.1, EOF Director/Assistant EOF Director Checklist.
- Revision added new NOTES before the second bullet on Page 8 of 15 of Enclosure 6.1 providing procedure reference and information on use of DEMNET.
- Revision deleted references to the Catawba/McGuire and Oconee Decision Line from Page 8 of 15, first action step of Enclosure 6.1 and replaced them with DEMNET.
- Revision deleted National Weather Service Decision Line dial code from Page 4 of 6, Note 1.c of Enclosure 6.2, Catawba Offsite Protective Actions.
- Revision deleted National Weather Service Decision Line dial code from Page 4 of 6, Note Part C of Enclosure 6.3, McGuire Offsite Protective Actions.

The changes described above to Revision 6 of SR/0/A/2000/003, *Activation of the Emergency Operations Facility*, do not result in a reduction in the effectiveness of facilities, response organizations, or response equipment. The changes are not a reduction in the effectiveness of the Emergency Plans for Catawba, McGuire and Oconee, as written and approved, and continues to meet the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

2. SR/0/A/2000/004, Revision 5, *Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire and Oconee*

The changes below were made to support implementation of a fleet initiative to replace the Selective Signaling System with DEMNET. The implementation of DEMNET and this revised procedure enhance Emergency Response Organization readiness to support a classified emergency, resulting in an improved capability to ensure health and

safety of plant personnel and the general public. The implementation of DEMNET and this procedure revision is an improvement to the Duke Energy Emergency Preparedness program.

- Revision changed the definition "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." in Section 2 to "Duke Emergency Management Network (DEMNET): The primary communication method used by the licensee to communicate emergency information to offsite response organizations."
- Revision changed "Selective Signaling System" to "DEMNET" in the Authentication Code definition (Section 2).
- Revision added a reference for procedure AD-EP-ALL-0406, Duke Energy Management Network (DEMNET) to Section 4.
- Revision changed "Selective Signaling" to "Duke Energy Management Network (DEMNET)" in Note 1 prior to Step 1 of Enclosure 6.2, Emergency Notification Form (ENF) Transmission.
- Revision deleted description of Selective Signaling System from Note 3 prior to Step 1 of Enclosure 6.2 and replaced with "DEMNET instructions are located in Fleet Procedure AD-EP-ALL-0406, Duke Energy Management Network (DEMNET)."
- Revision removed instructions from Step 1.3 of Enclosure 6.2 for use of Selective Signaling System and added instructions on the use of DEMNET computer/USB phone to initiate a group call to the offsite agencies with DEMNET "[CNS, MNS, ONS] Notify" button.
- Revision added instructions on the use of DEMNET Ethernet phone to initiate a group call to the offsite agencies with DEMNET "[CNS, MNS, ONS] Notify" button as new Step 1.4 of Enclosure 6.2.
- Revision renumbered Enclosure 6.2, Step 1.3.1 to Step 1.5.
- Revision added new Step 1.6 to Enclosure 6.2 to provide instructions for contacting missing agencies by various alternate means.
- Revision changed "Selective Signaling" to "DEMNET" in Note 1 prior to Step 1 of Enclosure 6.3, Authentication Guideline.

The following changes to this procedure were made to support implementation of a new manual faxing solution in the EOF. The existing Ricoh FAX1180L solution was replaced with a new Xerox WorkCentre 3615.

- Revision replaced existing Ricoh FAX1180L instructions for sending a group fax with instructions for the Xerox WorkCentre 3615 Device Address Book Groups in new

- Steps 1.1.1 through 1.1.5 of Enclosure 6.4, Fax Instructions. The subsequent steps were renumbered.
- Revision renamed Enclosure 6.4, Step 2 from "Single Fax Using One-touch Button" to "Single Fax Using Pre-Programmed Dialing Method."
 - Revision replaced existing Ricoh FAX1180L instructions for sending a fax using one touch speed dial button with new instructions for the Xerox WorkCentre 3615 Device Address Book Individuals in new Steps 2.1.2 through 2.1.5 of Enclosure 6.4. The subsequent steps were renumbered.
 - Revision deleted the discussion in the Note before Site Specific fax lists in Enclosure 6.4 on how to access one touch numbers 21 through 40. The discussion was replaced with "Individual Address Book includes the ability to fax to individual agencies."
 - Revision deleted "One touch number" and "Label" columns from the Site Specific fax lists of Enclosure 6.4 and replaced them with "Fax Contact Name."
 - Revision moved Enclosure 6.4, Step 2.1.5 below site specific fax lists.
 - Revision replaced existing Ricoh FAX1180L instructions for sending a fax to a single location with new instructions for the Xerox WorkCentre 3615 in new Steps 3.1.2 through 3.1.5 of Enclosure 6.4. The subsequent steps were renumbered.

The changes to Revision 5 of SR/0/A/2000/004, *Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire and Oconee*, do not result in a reduction in the effectiveness of facilities, response organizations, or response equipment. The changes are not a reduction in the effectiveness of the Emergency Plans for Catawba, McGuire and Oconee, as written and approved, and continues to meet the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

3. AD-EP-ALL-0203, Revision 0, *Protocol for the Field Monitoring Coordinator During Emergency Conditions*

This is a new fleet Emergency Plan Implementing Procedure that will replace existing procedure SH/0/B/2005/002, Protocol for the Field Monitoring Coordinator During Emergency Conditions. This new procedure did not require any changes to the Catawba, McGuire or Oconee Emergency Plans, other than editorial changes to update procedure numbers. The EOF will continue to be the central point for the receipt and analysis of all field monitoring data and coordination of sample media. The Radiological Assessment Manager at the EOF is responsible for the coordination efforts. The number of and training for field monitoring teams for Catawba, McGuire and Oconee is not changing. The method for activating the ERO, including the EOF staff and field monitoring teams, including that for detection of radioiodine concentration in air, is not changing. Communications equipment is not changing. This new fleet procedure is used by the Field Monitoring Coordinator to direct the efforts of the field monitoring teams and provide results to the EOF staff for use in dose assessment and protective action decision making. Dose projection methodology is not changing.

Implementation of new procedure AD-EP-ALL-0203, *Protocol for the Field Monitoring Coordinator During Emergency Conditions*, does not result in a reduction in the effectiveness of facilities, response organizations, or response equipment. Adding this procedure is not a reduction in the effectiveness of the Emergency Plans for Catawba, McGuire and Oconee, as written and approved, and continues to meet the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

4. AD-EP-ALL-0204, Revision 0, *Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release*

This procedure is a new fleet Emergency Plan Implementing Procedure that supersedes procedure SH/0/B/2005/003, *Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release*. The new procedure continues to use a threshold for administration of stable iodine of 5 rem CDE projected to the thyroid from radioiodine for distribution of Active Potassium Iodide (KI). Log sheets will continue to be kept by Radiation Protection personnel of all persons to document the use of radio-protective drugs. The scope has been expanded to include all Duke Energy and contractor personnel in the event of a Hostile Action Scenario during radioiodine release. This change is considered an enhancement.

Implementation of new procedure AD-EP-ALL-0204, *Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release*, does not result in a reduction in the effectiveness of facilities, response organizations, or response equipment. Adding this procedure is not a reduction in the effectiveness of the Emergency Plans for Catawba, McGuire and Oconee, as written and approved, and continues to meet the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

5. AD-EP-ALL-0406, Revision 0, *Duke Emergency Management Network (DEMNET)*

NOTE: This procedure is being submitted as an Emergency Plan Implementing Procedure for Catawba and Oconee only. McGuire does not consider this procedure to be an Emergency Plan Implementing Procedure.

This procedure is a new fleet procedure which was written to support a Duke Energy initiative to replace the Selective Signaling System, which is used for notifications to state/count agencies, with the Duke Emergency Management Network. In general, the procedure provides instructions for using DEMNET to notify state/county agencies during nuclear plant emergencies and ERO drills and exercises. The procedure also provides instructions for testing and maintenance of DEMNET.

The implementation of DEMNET and this new procedure enhances ERO readiness to support a classified emergency, resulting in an improved capability to ensure health and safety of plant personnel and the general public. The implementation of DEMNET and this new procedure is an overall improvement to the Duke Energy Emergency Preparedness program.

Implementation of new procedure AD-EP-ALL-0406, *Duke Emergency Management Network (DEMNET)*, does not result in a reduction in the effectiveness of facilities, response organizations, or response equipment. Adding this procedure is not a reduction in the effectiveness of the Emergency Plans for Catawba and Oconee, as written and approved, and continues to meet the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

Copy of Emergency Plan Implementing Procedures

	Procedure No.
	Revision No.
	Electronic Reference No.
PERFORMANCE	

Activation of the Emergency Operations Facility

1. PURPOSE

- 1.1 This procedure describes the emergency responsibilities and duties of the Emergency Operations Facility Emergency Response Organization (ERO) members.

2. DEFINITIONS

NOTE: The EOF must be operational using 75 minutes as a goal for the minimum staff to be in place following declaration of an Alert or higher classification. Turnover should occur with the TSC at a time that will not decrease the effectiveness of communications with the offsite agencies.

- 2.1 Operational: The Emergency Response Facility (e.g., Technical Support Center, Operations Support Center, Emergency Operations Facility) is staffed, ready to receive turnover and ready to perform assigned emergency response functions.
- 2.2 Activated: The Emergency Response Facility (e.g., Technical Support Center, Operations Support Center, Emergency Operations Facility) has accepted turnover and has direction and control of assigned emergency response functions.

NOTE: The following definition is applicable to the Emergency Notification Form Line 6.

- 2.3 Emergency Release: An unplanned, quantifiable radiological release to the environment during an emergency event. {AD-EP-ALL-0002}

NOTE: The following definitions are applicable to the Emergency Notification Form, Line 8.

- 2.4 Degrading: Plant conditions involve at least one of the following:

Plant parameters (e.g., 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 (e.g., 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.

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

Plant parameters (e.g., 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 (e.g., wind, ice/snow, ground tremors hazardous/toxic/radioactive material leak, fire, security events) 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.

2.6 Stable: Plant conditions are neither degrading nor improving.

3. PROCEDURE

- NOTES:**
- This procedure and the position specific enclosures are not intended to be followed in a serial step-by-step sequence.
 - Instructions and guidance steps are to be implemented as applicable for the specific needs of the event.
 - Use hard copy (paper) forms or electronic equivalents to complete all forms.
 - References to "Status Boards" may refer to physical displays mounted in the facility or electronic displays either projected, displayed on large monitors or on personal computer monitors.

3.1 General instructions for all ERO members.

3.1.1 Ensure appropriate checklist, logs and forms are completed.

3.1.2 Provide critical information to appropriate personnel upon receipt rather than waiting for a time out or roundtable discussion.

3.1.3 Use "Attention in the EOF" to announce critical information in the facility.

NOTE {IER L1-13-10}:

- The Emergency Response Organization structure is scalable and flexible, based on the size, complexity, and the specifics of the hazard environment created by the emergency event. Additional functional elements (e.g., ERO positions) can be established to enhance the management and coordination of the event.
 - When the emergency event's complexity increases, then the ERO can expand, as additional functional responsibilities are needed.
 - When the complexity decreases, then the ERO can contract, when those additional functional responsibilities are no longer needed.
- The makeup and structure of the EOF will be determined by the EOF Director.
- EOF staffing may be required for extended periods of time (e.g., greater than 10 days for BDBEEs, ELAP, etc.).

3.1.4 **IF** additional personnel are needed to support the emergency or for 24-hour coverage, refer to the following for telephone numbers:

- ERO Member Contact Information notebook on the EOF Director's Area bookshelf (home, office and cell phone numbers).
- Duke Energy Enterprise Phone Book (office and cell phone numbers).
- Emergency Response Organization (ERO) database by contacting the EOF Emergency Planner.

3.1.5 **IF** equipment problems occur, contact the following:

- Computer – EOF Data Coordinator
- Communications systems and other facility equipment – EOF Services Manager

NOTE: When using the OAC to trend plant data for decision purposes, please note that reducing the trend screen overall size can cause the plotted data to be suspect upon restoration to full size. It is recommended that trend plots be minimized using the standard windows button (the button in the top right that has the underbar). The software code is designed to refresh the trend screens upon restoration to full size from a minimized state. A second method is to have the OAC redraw the trend after restoring the trend screen to full size.

3.2 **IF** access to SDS data is desired, login to system as follows:

3.2.1 From DAE main screen, select Search DAE tab.

3.2.2 Type SDS in Search box and press Enter.

3.2.3 Select **Catawba OAC SDS**, **McGuire OAC SDS**, or **Oconee OAC SDS** as applicable.

3.2.4 Select Run Application.

3.2.5 Logon with LAN ID and Password as follows:

NAM\UserID

Password

3.2.6 Select the desired OAC to access by checking the box and then clicking the Start button. You can start multiple sessions if desired.

CNS

- **C1 RT PRI**
- **C2 RT PRI**
- **C1 RT BAC**
- **C2 RT BAC**
- **Simulator**
- **Spare Simulator**
- **Drill Simulator**

MNS

- **M1 RTS PRI**
- **M1 RTS BAC**
- **M2 RTS PRI**
- **M2 RTS BAC**
- **Simulator**
- **Sim Backup**

ONS

- **O1 OAC**
- **O2 OAC**
- **O3 OAC**
- **KHU OAC**
- **Simulator A**
- **Simulator B**

3.2.7 Access emergency response displays as follows:

Catawba/McGuire

Enter GD (space)"Group Display Name" in the white box at the upper right portion of the screen.

Catawba Specific

<u>Group Display Name</u>	<u>Group Display Description</u>
ERDS1	ERDS Group 1
ERDS2	ERDS Group 2
EROCONT	Selected values associated with containment.
EROCORE1	Incore temperature values
EROCORE2	Additional incore temperature values
EROCORE3	Additional incore temperature values
EROINJCT	Selected letdown/charging values
EROPLEAK	Selected primary to containment leakage values
EROSLEAK	Selected primary to secondary leakage values
EROPRIM	Selected primary system values
ERORD5	Selected Dose Assessment Points
ERORXG	Selected Value for Reactor Engineer
EROSAMG	Selected SAMG Values
EROSECND	Selected secondary system values
MET	Met Tower Points

McGuire Specific

<u>Group Display Name</u>	<u>Group Display Description</u>
ERO-1	Selected plant parameters
EROCONT	Emergency Response Containment
EROCORE	Emergency Response Incore
EROINJCT	Emergency Response Injection
EROPRIM	Emergency Response Primary
ERORD5	Selected Dose Assessment Points
EROSECND	Emergency Response Secondary. {9} {10}
WEATHER	Weather Data

Oconee

Enter applicable Turn On code in the white box at the upper right portion of the screen.

Oconee Specific	
<u>Turn On Code Name</u>	<u>Turn On Code Description</u>
EROMENU	Menu Access for Oconee Data Screens
EROPRI	Selected Primary System values
EROSEC	Selected Secondary System values
EROCONT	Selected Containment Condition values
EROAUX	Selected Radiation Monitor values
EROAREA	Selected Area Radiation Monitor values
EROPROC	Selected Process Radiation Monitor values
EROENV	Selected values for Dose Assessment and Field Monitoring use
EROECCS	Selected ECCS values
ERDSMENU	Menu Access for Oconee ERDS Data

- 3.2 The Emergency Plant Status application has also been established for Oconee emergency response use. This application is available from DAE.
- 3.2.1 To launch the Emergency Plant Status application, from DAE select *Search DAE* and type in *Emergency Plant Status*.
- 3.2.2 Select the *Emergency Plant Status - ONS*
- 3.2.3 Select Run Application
- 3.2.4 Enter your password and verify domain as NAM.
- 3.4 **IF** EOF facility in Energy Center is unavailable, establish Alternate EOF at designated alternate location {IER L1-13-10}:
- Catawba Nuclear Station event - McGuire Administration Building per Enclosure 6.25
 - McGuire Nuclear Station event - Catawba Administration Building per Enclosure 6.26
 - Oconee Nuclear Station event - Catawba Administration Building per Enclosure 6.26

- 3.5 Perform the applicable actions for the event using instructions and guidance in the following enclosures:

ERO Position Title	Enclosure
EOF Director/Assistant EOF Director	6.1 EOF Director/Assistant EOF Director Checklist
Radiological Assessment Manager	6.6 Radiological Assessment Manager Checklist
EOF Dose Assessor	6.7 EOF Dose Assessor Checklist
Field Monitoring Coordinator	6.8 Field Monitoring Coordinator Checklist
Radio Operator	6.9 Radio Operator Checklist
EOF Offsite Agency Communicator	6.10 EOF Offsite Agency Communicator Checklist
EOF Services Administration/Commissary	6.11 EOF Services Administration/Commissary Checklist {71}
Accident Assessment Manager	6.12 Accident Assessment Manager Checklist
Accident Assessment Interface	6.13 Accident Assessment Interface Checklist
Operations Interface Checklist	6.14 Operations Interface Checklist {44}
Reactor Physics	6.15 Reactor Physics Checklist
EOF Emergency Planner	6.16 EOF Emergency Planner Checklist
EOF Log Recorder	6.17 EOF Log Recorder Checklist
EOF Data Coordinator	6.18 EOF Data Coordinator Checklist
EOF Services Manager	6.19 EOF Services Manager Checklist

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 All logs, forms and records completed as the result of implementing this procedure during an actual declared event shall be retained as permanent plant records. Nuclear Generation Record Retention Rule Number 421734, "Procedures-Technical Completed."
- 5.2 All checklists, logs and forms completed as the result of implementing this procedure shall be collected at the end of the event and provided to the site Emergency Preparedness Manager.

6. Enclosures

- 6.1 EOF Director/Assistant EOF Director Checklist
- 6.2 Catawba Offsite Protective Actions
- 6.3 McGuire Offsite Protective Actions
- 6.4 Oconee Offsite Protective Actions
- 6.5 Emergency Classification Downgrade/Termination
- 6.6 Radiological Assessment Manager Checklist
- 6.7 EOF Dose Assessor Checklist
- 6.8 Field Monitoring Coordinator Checklist
- 6.9 Radio Operator Checklist
- 6.10 EOF Offsite Agency Communicator Checklist
- 6.11 EOF Services Administration/Commissary Checklist {71}
- 6.12 Accident Assessment Manager Checklist
- 6.13 Accident Assessment Interface Checklist
- 6.14 Operations Interface Checklist {44}
- 6.15 Reactor Physics Checklist
- 6.16 EOF Emergency Planner Checklist
- 6.17 EOF Log Recorder Checklist
- 6.18 EOF Data Coordinator Checklist
- 6.19 EOF Services Manager Checklist
- 6.20 Establishing Communications Links Between McGuire SAMG Evaluators {11}
- 6.21 Oconee Recovery Guidelines
- 6.22 Keowee Hydro Dam/Dikes - Condition A/B Descriptions
- 6.23 EOF Evacuation Checklist
- 6.24 EOF Briefing Guideline
- 6.25 Setup of Catawba Alternate EOF in McGuire Admin Bldg. {66, 67, 68}
- 6.26 Setup of McGuire or Oconee Alternate EOF in Catawba Admin Bldg. {66, 67, 68}
- 6.27 NRC Response Team Briefing
- 6.28 Commitments for SR/0/B/2000/003

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

NOTE: The EOF Log Recorder will maintain the official log for the EOF Director/Assistant EOF Director. The EOF Director/Assistant EOF Director may maintain an additional log if desired.

_____ Establish log of activities sufficient to conduct turnover for on-coming shift.

_____ Establish communications with Emergency Coordinator or Assistant Emergency Coordinator in affected site's TSC:

- Use affected site's EOF Director to Emergency Coordinator Ringdown phone (Catawba and McGuire only)
- OR**
- Catawba TSC, 9-803-701-5870
- OR**
- McGuire TSC, 9-980-875-4950
- OR**
- Oconee TSC, 9-1-864-873-3921

NOTE: EOF access is controlled through the use of a monitored card reader process.

_____ Verify Energy Center Building Security personnel are monitoring the EOF entrance card reader.

INITIALS _____ PRINTED NAME _____ (EOF Director)

INITIALS _____ PRINTED NAME _____ (Asst. EOF Director)

- NOTE:**
1. **IF** the emergency situation prevents activating the TSC within 75 minutes of declaration, Control Room will:
 - turn over responsibility for classification and state and county notification to EOF.
 - maintain responsibility for NRC Event Notification until released by NRC Communicator in TSC.
 - maintain responsibility for continuous phone communications to the NRC until relieved by the NRC Communicator in TSC.
 2. **IF** TSC remains unavailable and EOF cannot take responsibility for classification and state and county notification, Control Room will maintain these responsibilities until one of the facilities is capable of turnover.

_____ **IF** emergency situation prevents activating TSC within 75 minutes of declaration, contact affected Site's Control Room:

- | | Person Notified/Date/Time |
|---|---------------------------|
| <input type="checkbox"/> Catawba Control Room, 9-803-701-5164 | _____ / _____ |
| <input type="checkbox"/> McGuire Control Room, 9-980-875-4138 | _____ / _____ |
| <input type="checkbox"/> Oconee Unit 1 and 2 Control Room, 9-1-864-873-2159 | _____ / _____ |
| <input type="checkbox"/> Oconee Unit 3 Control Room, 9-1-864-873-2160 | _____ / _____ |

_____ Verify EOF minimum staffing positions are prepared to assume their EOF duties prior to declaring the EOF operational:

- _____ EOF Director
- _____ Accident Assessment Manager
- _____ Radiological Assessment Manager
- _____ Off-Site Agency Communicator
- _____ Off-Site Agency Communicator.

OR

IF Less than the above listed minimum EOF positions are filled,

AND

The 75-minute EOF operational time requirement is near,

AND

An extra person(s) is available whom the EOF Director believes is capable of filling a missing position(s) based on the training, experience and skills required by the ERO training program - ETQS 7111.0, Emergency Response Training

AND

An appropriate log entry is made. {64}

_____ Request Offsite Agency Communicator monitor EOF Fax 704-382-1825. {13}

NOTE: For all drills, messages should be preceded with "This is a drill. This is a drill."

_____ Announce over EOF public address system:

"Anyone who is reporting to this facility outside of your normal work hours must complete a Fitness for the Duty Form. If you have consumed alcohol within the past five (5) hours or believe your work quality may be compromised due to fatigue {69}, sickness, or other potentially impairing conditions {72}, notify either the EOF Director, Assistant EOF Director, or the appropriate lead in your functional area."

_____ Declare EOF operational. EOF operational time: _____.

NOTE: For all drills, messages should be preceded with "This is a drill. This is a drill."

_____ Announce over EOF public address system:

"Attention all EOF personnel. This is _____ and as of _____ hours,
(EOF Director's Name)

the EOF is operational. Each EOF functional area should perform a Take a Minute in its work area."

_____ Notify Emergency Coordinator or Assistant Emergency Coordinator that the EOF is:

- Operational
- Gathering plant status information
- Ready to receive turnover at the Emergency Coordinator's convenience.

_____ Review definitions in Section 2 of this procedure.

NOTE: The following step may be accomplished by conducting a Time Out or by verifying the level of readiness with the individuals in the positions.

_____ Verify the following positions, at a minimum, are ready to activate and prepared to perform the next offsite agency notification.

- _____ Accident Assessment Manager
- _____ Radiological Assessment Manager
- _____ Lead Off-Site Agency Communicator

NOTE: The Emergency Coordinator or Assistant Emergency Coordinator should fax the Emergency Coordinator Turnover Checklist to the EOF. The "Emergency Coordinator Turnover Checklist" is provided on page 13 of this enclosure.

_____ **IF** a classification change occurs during turnover, suspend turnover until CR OR TSC declares and transmits notification to offsite agencies. {12}

EOF Director/Assistant EOF Director Checklist Page 4 of 15

_____ Receive turnover from Emergency Coordinator or Assistant Emergency Coordinator utilizing the "Emergency Coordinator Turnover Checklist" or equivalent.

_____ Prepare or delegate to Assistant EOF Director preparations for briefing NRC by completing job aid in Enclosure 6.27 {8}

NOTE: The EOF Director is responsible for determining Emergency Classifications, approving Protective Action Recommendations, and approving Offsite Agency Emergency Notification Forms after the EOF is activated. These responsibilities remain with the EOF Director and shall not be delegated.

_____ Inform Emergency Coordinator that EOF is ready to activate.

NOTE: For all drills, messages should be preceded with "This is a drill. This is a drill."

_____ Announce over the EOF public address system:

"Attention all EOF personnel. The EOF was activated at _____ hours. This is _____ . I am the EOF Director and have taken responsibility for emergency management from the Emergency Coordinator in the Technical Support Center. At this time, the EOF has command and control for emergency classification, offsite notifications, protective action recommendations, field monitoring, and offsite agency interface. The current emergency classification is _____ . The following is a summary of the plant status

 Additional information will be provided to you as conditions change. The next offsite agency notification shall be transmitted by _____ hours. The EOF staff shall prepare for a time-out and a roundtable discussion at _____ hours."

_____ **IF AT ANY TIME** there is a need to deviate from normal work practices, refer to AD-OP-ALL-1000, Conduct of Operations, Attachment 7, Deviations from Normal Work Processes/Requirements Documentation, to document the deviation. {77}

_____ Review current emergency classification with EOF staff and verify it meets criteria in:

- Catawba RP/0/A/5000/001
- OR**
- McGuire RP/0/A/5700/000
- OR**
- Oconee RP/0/A/1000/001.

NOTE:

1. The first message from the EOF should include EOF activation time on Line 13.
2. **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. {52}

_____ Notify Offsite Agency Communicator to make emergency notifications according to the following schedule:

<p>Initial Notifications {39}</p> <p>1. Initial notifications to the State(s) and counties must be made within 15 minutes of the event declaration time using the Emergency Notification form (ENF).</p> <p>2. For an upgrade in classification prior to or while transmitting an initial message: -The notification for the lesser emergency classification must be made within 15 minutes of the lesser classification declaration time. -The agencies must be informed that an upgrade in classification will be coming. -The upgraded classification message must be transmitted within 15 minutes of the upgraded classification declaration time.</p>		
<p>Follow-up Notifications</p> <p>1. Follow-up notifications to the State(s) and Counties must be made according to the following schedule:</p>		
<p><u>Catawba</u> -For NOUE, ALERT, SAE, or GE, every hour until the emergency is terminated.</p>	<p><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.</p>	<p><u>Oconee</u> -For NOUE, a follow-up is not required. -For ALERT, SAE, or GE, every 60 minutes until the emergency is terminated.</p>
<p>OR</p>		
<p><u>Catawba</u> -If there is any significant change to the situation (make notification as soon as possible).</p>	<p><u>McGuire</u> -If there is any significant change to the situation (make notification as soon as possible).</p>	<p><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.</p>
<p>OR</p>		
<p><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. -The interval <u>shall not</u> be greater than 4 hours to any agency.</p>	<p><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. -The interval for ALERT, SAE, or GE <u>shall not</u> be greater than 2 hours to any agency.</p>	<p><u>Oconee</u> -Required every 60 minutes from the notification time on Line 2 for ALERT, SAE, or GE. -This frequency <u>may be</u> changed at the request of offsite agencies.</p>
<p>*NOTE (Oconee): Examples of significant plant changes include: evacuation/relocation of site personnel, fires onsite, MERT activation and/or injured personnel transported offsite, chemical spills, explosions, Condition "A" or "B" for Keowee Hydro Project Dams/Dikes, or any event that would cause or require offsite agency response.</p>		
<p>2. If a follow-up is due and an upgrade to a higher classification is declared, there is no need to complete the follow-up ENF. In this case, the offsite agencies must be notified that the pending follow-up is being superseded by an upgrade to a higher classification and information will be provided.</p>		
<p>3. Initial messages in the General Emergency classification that involve an upgrade in PARs must be communicated to the offsite agencies as soon as possible and within 15 minutes. {79}</p>		

_____ **IF AT ANY TIME** Site Area Emergency is declared, consult Accident Assessment Manager and Radiological Assessment Manager to determine potential zones for protective action recommendations.

_____ **IF AT ANY TIME** General Emergency is declared, EOF Director shall IMMEDIATELY (within 15 minutes) make Protective Action Recommendations to offsite agencies on Emergency Notification Form (ENF) using: {57}

- Enclosure 6.2 - Catawba Offsite Protective Actions
- Enclosure 6.3 - McGuire Offsite Protective Actions
- Enclosure 6.4 - Oconee Offsite Protective Action

_____ **IF** changes to Protective Action Recommendations are approved by the EOF Director, ensure changes are transmitted to offsite agencies within 15 minutes.

CAUTION: If a zone has been accurately selected for evacuation, it shall remain selected. {27} {30}

_____ Evaluate specific plant conditions, offsite dose projections, field monitoring team data, and determine need to update Protective Action Recommendations.

_____ Review dose projections with Radiological Assessment Manager to determine if Protective Action Recommendations are required beyond the 10-mile EPZ.

_____ **IF** Protective Action Recommendations are required beyond 10 miles, notify the states and counties to consider sheltering/evacuation of general population beyond 10-mile EPZ.

NOTE: Descriptions of Keowee Hydro Dam/Dike Condition A and B are provided in Enclosure 6.22.

_____ **IF** Condition A, Dam Failure (Keowee or Jocassee) exists, make Protective Action Recommendations to Oconee County and Pickens County for imminent/actual dam failure on Emergency Notification Form Line 5B (Evacuate) and Line 5E (Other):

Line 5B *Move residents living downstream of the Keowee Hydro Project dams to higher ground.*

Line 5E *Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.*

_____ Communicate, or delegate to the Assistant EOF Director the responsibility to communicate, plant status to County Directors of Emergency Management (CDEM), State Liaisons or State Directors of Emergency Management (SDEM):

- EOF State Liaisons communicate information from EOF Director to County/State representatives using the Duke Emergency Management Network (DEMNET).

NOTE: 1. Detailed instructions for the use of the DEMNET Ethernet Phone are provided in AD-EP-ALL-0406, Duke Emergency Management Network (DEMNET).
 2. All agencies for a specific site can be contacted on DEMNET using the appropriate DEMNET Plant Name "DL-ALL Call" **OR** "DL-EOC Only" pre-designated group call.
 3. A specific agency for a particular site can be contacted using a DEMNET point-to-point call.
 4. State and County telephone numbers can be obtained from the appropriate site's Emergency Telephone Directory.

- Use DEMNET **OR** EOF Director/Assistant EOF Director telephone to contact appropriate states/counties.

Catawba Site Specific

_____ York CDEM _____

_____ Mecklenburg CDEM _____

_____ Gaston CDEM _____

_____ NC SDEM _____

_____ SC SDEM _____

McGuire Site Specific

_____ Mecklenburg CDEM _____

_____ Gaston CDEM _____

_____ Lincoln CDEM _____

_____ Iredell CDEM _____

_____ Catawba CDEM _____

_____ Cabarrus CDEM _____

_____ NC SDEM _____

Oconee Site Specific

_____ Oconee County CDEM _____

_____ Pickens County CDEM _____

_____ SC SDEM _____

_____ **IF** Protective Action Recommendations have been provided to the States and Counties, request protective action decision information from the SDEPs **AND** CDEPs:

Zones Evacuated: _____

Zones Sheltered: _____

Information Received from: _____

_____ Inform Emergency Coordinator **OR** Assistant Emergency Coordinator of SDEPs and CDEPs protective action decisions and other offsite conditions.

NOTE: Wireless mikes are available for use during round tables/timeouts. {38}

_____ Perform the following steps as needed throughout the event:

- Conduct a time-out and hold a roundtable discussion approximately every hour, coordinated with the TSC, with the EOF staff using Enclosure 6.24 to discuss:
 - Emergency Classification
 - Protective Action Recommendations
 - Emergency Notification Form status
 - Offsite dose projections
 - Mitigation strategies
 - Termination criteria as defined in Enclosure 6.5.
- Ensure roundtables/time-outs enable EOF members to know what is going on, what to anticipate, and understand focus and priorities.
- Announce to the EOF the emergency classification, plant status, and priorities via the EOF public address system following EOF time-outs.
- Emergency Coordinator or Assistant Emergency Coordinator updates may be broadcast on EOF public address system.
- Advise Emergency Coordinator or Assistant Emergency Coordinator of:
 - All aspects of the emergency situation, including alternate strategies outside of procedures as plant conditions dictate
 - Emergency Classification changes
 - Protective Action Recommendations changes
 - Mitigation strategies
 - Contingency plans.

- NOTE:**
1. 10CFR50.54(x) states that a licensee may take reasonable action that departs from a license condition or technical specification in an emergency, when this action is immediately needed to protect the health and safety of the public and no action consistent with license conditions or technical specifications that can provide adequate or equivalent protection is immediately apparent. Ultimate responsibility for plant response in an emergency resides in the highest authority in the chain of command of the facility licensee available to make a decision about the response. The on duty OSM should be consulted and his concurrence obtained before invoking 10CFR50.54(x). {48}
 2. Examples of potential 10CFR50.54(x) action items include: {40}
 - Deviation from an Emergency Procedure.
 - Rerouting system piping to temporarily restore system flow.
 - Re-alignment of electrical power systems outside of procedural guidance.
 - Using mitigation strategies not established by the SAMG guidelines.
 3. **IF** the TSC is activated, the TSC Emergency Coordinator makes the decision to invoke 10CFR50.54(x). {48}

- **WHEN** restoring power in a LOOP event, have the risk significance of power restoration assessed for risk potential by Accident Assessment personnel. {42}
- Authorize emergency worker extensions if the radiation exposure doses are expected to exceed the blanket dose extension limits authorized by the Radiation Protection Manager using:
 - Catawba RP/0/A/5000/018
 - McGuire RP/0/A/5700/020
 - Oconee RP/0/B/1000/011.

NOTE: The Emergency Action Level descriptions on Line 4 of the Emergency Notification Form have been pre-screened.

- **IF** the event involves a security threat, consult the job aid, "Nuclear Security Approved Messages for Security Related Events/Issues," in the EOF Director's notebook for guidance in developing remarks for Line 13 of the Emergency Notification Form. {47}

NOTE: Personnel without badge access will need to be escorted into the EOF by the Assistant EOF Director, EOF Emergency Planner, EOF Services Manager, or their Mentor. {61}

- Approve personnel with training deficiencies prior to their participation as EOF staff members. This approval shall be documented in the EOF Log.
- Document personnel escorted into the EOF in the EOF log. {73}
- Turn over EOF Director duties to the Assistant EOF Director prior to leaving the EOF Director's Area.

- **IF** necessary to relieve Duke Energy personnel, request environmental surveillance support personnel from DOE Radiological Assessment Plan by contacting DOE - Savannah River Site. {53}
- Periodically review the staffing levels in the EOF to ensure adequate resources are in place to deal with response/recovery, and direct the EOF Services Manager to coordinate with the appropriate department, agency, or companies. {25}
- **IF** events affect more than one nuclear site, refer to the multi-site event staffing chart in the Oconee Emergency Plan, Figure B-11
- **IF** a beyond design basis external event (BDBEE) or extended loss of AC power (ELAP) event impacts multiple units at a single site, evaluate the need for unit-specific responses (e.g., SAMG, EDMG, FSG, etc.) and unit-specific response teams. {IER L-1-10}

NOTE: The job aid, "Questions Corporate Communications may ask (based on initiating event)," is available in the EOF Director's notebook for guidance.

- Provide information to Corporate Communications for news releases.
- **IF** EOF needs to be evacuated, refer to EOF Evacuation Checklist in Enclosure 6.23. {54}

_____ Verify EOF Emergency Planner completes "EOF 24-Hour Staffing Log" in Enclosure 6.16.

_____ **IF** needed, conduct turnover for on-coming shift.

_____ Assist TSC Emergency Coordinator or Assistant TSC Emergency Coordinator as a Decision Maker upon entry into Severe Accident Management Guidelines (SAMG). (Catawba and McGuire) {11}

_____ Refer to Enclosure 6.5 (Emergency Classification Downgrade/Termination Criteria) for guidance to downgrade or terminate an emergency event.

NOTE: The offsite Recovery Organization will stay at the EOF and work with the counties and states if radiological conditions exist beyond the site boundary. The On-Site Recovery Organization will be established by the Emergency Coordinator.

_____ **IF** needed, establish Recovery Organization:

- Catawba RP/0/A/5000/025
- McGuire RP/0/A/5700/024
- Oconee RP/0/B/1000/027 and guidance in Enclosure 6.21.

Terminate the emergency event in accordance with applicable procedure:

____ Notification of Unusual Event

- Catawba - RP/0/A/5000/002
- McGuire - RP/0/A/5700/001
- Oconee - Page 13 of this enclosure

____ Alert

- Catawba - RP/0/A/5000/003
- McGuire - RP/0/A/5700/002
- Oconee - Page 13 of this enclosure

____ Site Area Emergency

- Catawba - RP/0/A/5000/004
- McGuire - RP/0/A/5700/003
- Oconee - Page 13 of this enclosure

____ General Emergency

- Catawba - RP/0/A/5000/005
- McGuire - RP/0/A/5700/004.
- Oconee - Page 13 of this enclosure

<p>NOTE: During declared emergencies, Duke Energy does not need to meet Fatigue Rule Work Hour Controls. Once the declared emergency or the unannounced drill has been terminated, ALL HOURS worked during the declared emergency will be included in future work hour calculations, including the determination of minimum breaks between shifts.</p> <p>{69}</p>
--

____ Announce the following:

"Covered Workers need to ensure that all hours worked during an augmentation drill or a declared emergency are entered into EMPCenter prior to leaving the site. Supervisors should consider the need for to initiate a waiver in EmpCenter per NSD-200 Section 200.8." {69}

____ Conduct a critique following termination of drill or actual event.

____ Provide all completed paperwork to Emergency Preparedness following termination of a drill or actual event.

Close out an Oconee emergency event as listed below:

_____ **IF** an event meets termination criteria for General Emergency in Enclosure 6.5, Emergency Classification Downgrade/Termination, inform NRC Site Team Director (STD) and SDEM that termination criteria have been met.

- Secure agreement from the two directors to terminate the event.
- Document names and time decision made below.

	<u>Name</u>	<u>Telephone Number</u>	<u>Time</u>
SDEM	_____	9-1-803-737-8500	_____
NRCSTD	_____	(In person in EOF)	_____

- Request lead Offsite Agency Communicator to complete Termination Message and transmit it in accordance with SR/0/A/2000/004 (Notification to State and Counties from the Emergency Operations Facility) and terminate the emergency.

_____ **IF** terminating from an Unusual Event, Alert, or Site Area Emergency,

- Request lead Offsite Agency Communicator to complete Termination Message and transmit it in accordance with SR/0/A/2000/004 (Notification to State and Counties from the Emergency Operations Facility) and terminate the emergency.
- Notify the following agencies:

	<u>Name</u>	<u>Telephone Number</u>
SDEM	_____	9-1-803-737-8500

OR, IF the SEOC has not been activated, the County Emergency Management Directors (CEMD)

	<u>Name</u>	<u>Telephone Number</u>
Oconee CDEM	_____	9-1-864-638-4200
Pickens CDEM	_____	9-1-864-898-5943

_____ **IF** terminating from an emergency involving dam failure (Keowee or Jocassee),

- Discuss termination with Hydro Central (Refer to Section 6 of the Oconee Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).

_____ Request Oconee Emergency Preparedness to provide a copy of the Licensee Event Report (LER) to state and county agencies at the time it is sent to the NRC.

() CATAWBA

() MCGUIRE

() OCONEE

UNIT(S) AFFECTED: {8}

() Unit 1

() Unit 2

() Unit 3

GENERAL	POWER LEVEL DATE: _____ U-1 _____ TIME: _____ U-2 _____ U-3 _____	REACTOR COOLANT TEMPERATURE _____ _____ _____	REACTOR COOLANT PRESSURE _____ _____ _____			
	EMERGENCY CLASSIFICATION NOUE DECLARED AT: _____ TSC ACTIVATED AT: _____ ALERT DECLARED AT: _____ EOF ACTIVATED AT: _____ SAE DECLARED AT: _____ G.E. DECLARED AT: _____ REASON FOR EMER CLASS: _____ _____ _____					
SITE ASSEMBLY SITE EVACUATION		YES	NO	TIME	LOCATION OR COMMENTS	
	SITE ASSEMBLY	_____	_____	_____	_____	
	SITE EVAC. (NON-ESSEN.)	_____	_____	_____	_____	
	SITE EVAC. (ESSENTIAL)	_____	_____	_____	_____	
	OTHER OFFSITE AGENCY INVOLVEMENT	_____	_____	_____	_____	
	MEDICAL	_____	_____	_____	_____	
	FIRE	_____	_____	_____	_____	
POLICE/SHERIFF	_____	_____	_____	_____		
RADIOLOGICAL	FIELD MON. TEAMS NUMBER ASSEM. _____ NUMBER DEPLOYED _____	ZONES EVACUATED _____ ZONES SHELTERED _____		KI (General Public) Yes () No ()		
	OFFSITE PARS _____	RELEASE IN PROGRESS YES () NO ()		RELEASE PATHWAY _____		
	CONTAINMENT PRESSURE _____ PSIG	WIND DIRECTION _____		WIND SPEED _____		

OFFSITE COMMUNICATIONS	NUMBER _____ TIME _____		LAST MESSAGE SENT: _____			
	NEXT MESSAGE DUE: _____		_____			
	NOTE: EOF COMMUNICATION CHECKS SHOULD BE COMPLETED PRIOR TO ACTIVATING THE EOF.					
OTHER NOTES RELATED TO THE ACCIDENT/EVENT/PLANT EQUIPMENT FAILED OR OUT OF SERVICE _____ _____ _____						

Job Aid {8}

	CATAWBA/McGUIRE	OCONEE	AVAILABLE	NOT AVAILABLE	COMMENTS
SG HEAT REMOVAL	AFW (CA) TRAIN A	EFDW TRAIN A	_____	_____	
	AFW (CA) TRAIN B	EFDW TRAIN B	_____	_____	
	TD AFW TRAIN	TDEFDW	_____	_____	
ECCS	NV TRAIN A	HPI TRAIN A	_____	_____	
	NV TRAIN B	HPI TRAIN B	_____	_____	
	NI TRAIN A		_____	_____	
	NI TRAIN B		_____	_____	
	ND TRAIN A	LPIP TRAIN A	_____	_____	
	ND TRAIN B	LPIP TRAIN B	_____	_____	
	STANDBY MU WATER PMP		_____	_____	
COOLING WATER	KC TRAIN A	UNIT 1 CC	_____	_____	
	KC TRAIN B	UNIT 2 CC	_____	_____	
		UNIT 3 CC	_____	_____	
	RN TRAIN A	UNIT 1 & 2 LPSW	_____	_____	
	RN TRAIN B	UNIT 3 LPSW	_____	_____	
POWER SYSTEMS	BUSLINE A	MAIN FEEDER BUS	_____	_____	
	BUSLINE B	STANDBY BUS	_____	_____	
	DG A	KEOWEE 1	_____	_____	
	DG B	KEOWEE 2	_____	_____	
	SATA	CT4	_____	_____	
	SATB	CT5	_____	_____	
	TRAIN A DC POWER	DC POWER	_____	_____	
	TRAIN B DC POWER		_____	_____	
	SSF DG	SSF DG	_____	_____	
CONTAINMENT	CONT. SPRAY TRAIN A	RBS TRAIN A	_____	_____	
	CONT. SPRAY TRAIN B	RBS TRAIN B	_____	_____	
	H ² IGNITERS TRAIN A		_____	_____	
	H ² IGNITERS TRAIN B		_____	_____	
	CONT. AIR RETURN FANS TRAIN A	A RBCU	_____	_____	
	CONT. AIR RETURN FANS TRAIN B	B RBCU	_____	_____	
		C RBCU	_____	_____	
	CONT. ISOL. TRAIN A	ES 1&2	_____	_____	
	CONT. ISOL. TRAIN B	ES 5&6	_____	_____	

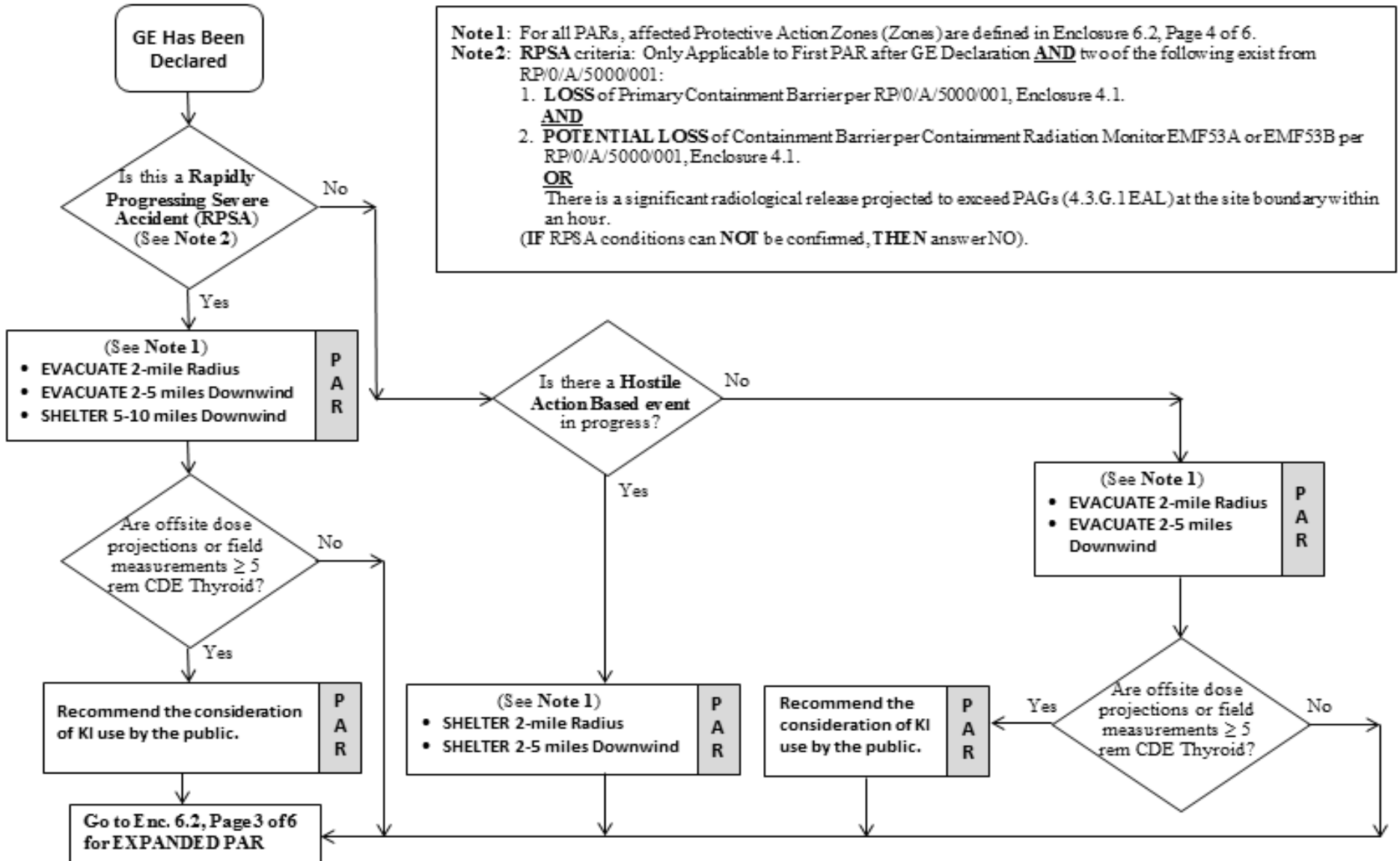
Note: This form is not required for TSC/EOF Turnover. It is made available as a job aid only and can be used for other activities (e.g., Briefing the NRC).

Protective Action Guides

Note: Protective Action Recommendations (PARs) for the public apply during a General Emergency, and include sheltering, evacuation and consideration of KI use. PARs are based on plant conditions independent of projected dose, and can also be based on projected dose. Protective Action Guides (PAGs) are levels of radiation dose at which prompt protective actions should be initiated and are based on EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents. The projected dose PARs specified in this enclosure are based on the PAGs listed below. The PAG for KI is taken from Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies, FDA Guidance, November 2001 and Guidance for Industry, KI in Radiation Emergencies, Questions and Answers, FDA, December 2002. {23}

PROTECTIVE ACTION GUIDES (PAGs) (Projected Dose or Field Measurements)	
Total Effective Dose Equivalent (TEDE)	Committed Dose Equivalent (CDE) Thyroid
≥ 1 Rem	≥ 5 Rem

INITIALS _____ PRINTED NAME _____



Note 1: For all PARs, affected Protective Action Zones (Zones) are defined in Enclosure 6.2, Page 4 of 6. **IF** a Zone has been accurately selected for evacuation, it shall remain selected.

Note 2: A short-term release is one that can be accurately projected to be < three hours and controlled by the licensee. This consideration would typically apply to controlled venting of containment.

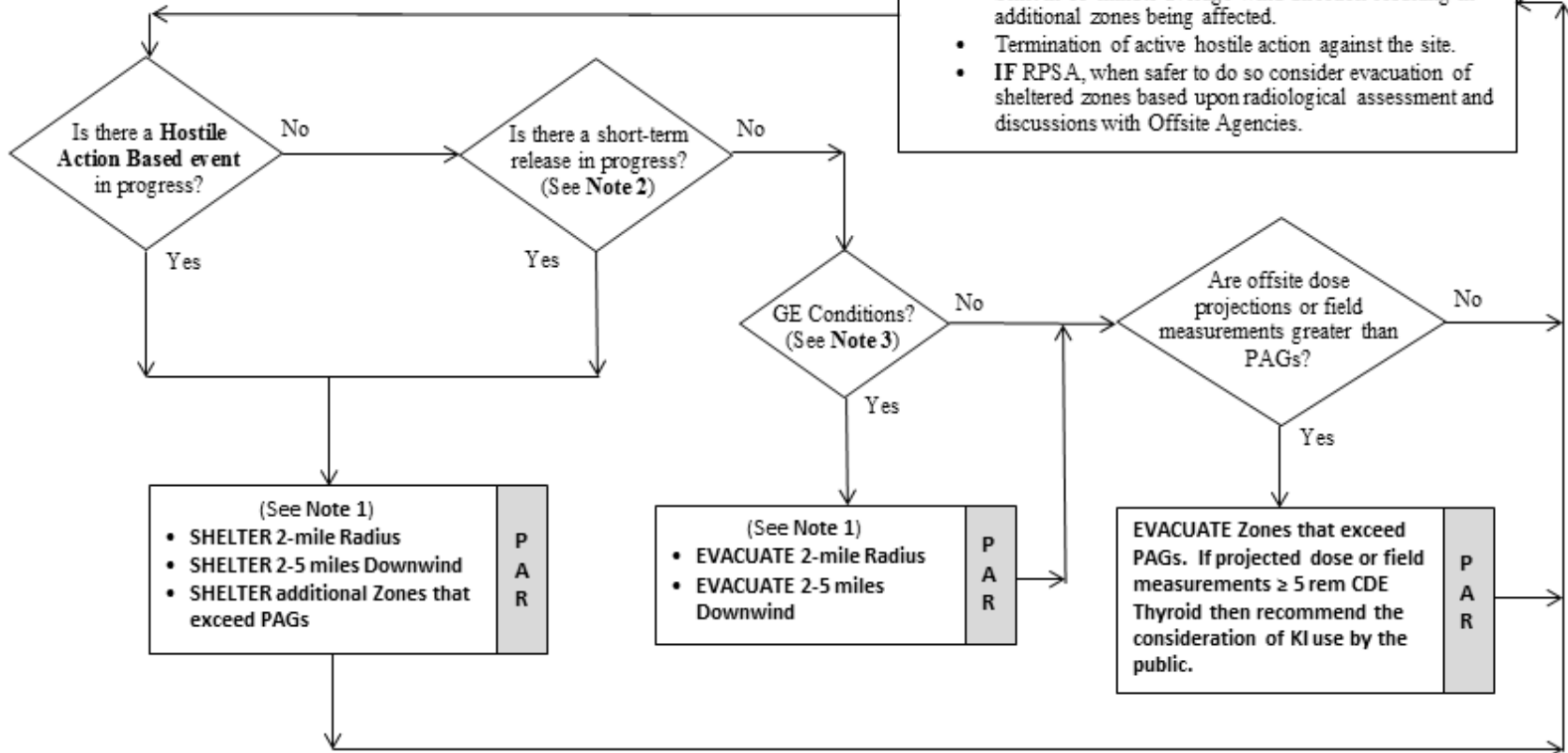
Note 3: **Plant conditions** exist which would require the classification of a General Emergency per the EALs. This does **NOT** include consideration of offsite dose-based EALs.

From INITIAL PAR
Enc. 6.2, Page 2 of 6

Continuous Assessment

Evaluate PAR based on changes in any of the following:

- Increase in dose assessment projected values.
- Increase in field measurement values.
- Shift in 15-minute average wind direction resulting in additional zones being affected.
- Termination of active hostile action against the site.
- **IF** RPSA, when safer to do so consider evacuation of sheltered zones based upon radiological assessment and discussions with Offsite Agencies.



INITIAL

CAUTION: A short term release is any release that can be projected to be 3 hours or less in duration. An example would be a "puff release". A controlled release is one that can be started and stopped at the licensee's discretion, such as the venting of Containment for pressure control. **IF** a release is short term **AND** controlled, sheltering in lieu of evacuation should be considered. {36}

NOTE:{5} 1. If necessary, obtain needed data from one of the following sources in order of sequence:
A. Catawba SDS (Group Display "ERORD5")
B. Duke Energy Meteorologist (2-0139, 3-7896, **OR** 2-4316)
C. National Weather Service in Greer, S.C. (9-1-864-879-1085, 9-1-800-268-7785)

2. OAC/SDS wind direction can be displayed as greater than 360 degrees. To arrive at wind direction for table below, subtract 360 from wind direction indications greater than 360 degrees.

— **IF AT ANY TIME** a General Emergency is declared, make immediate PROTECTIVE ACTION RECOMMENDATIONS (PARs) within 15 minutes to be entered on Line 5 of the Emergency Notification Form (ENF). Determine the PARs based on the 15-minute average upper wind direction (OAC point C1P0250) as below:

Protective Action Zones			
Wind Direction	2-Mile Radius	2-5 Miles Downwind	5-10 Miles Downwind (RPSA Only)
348.75 - 11.25	A0	B1, C1, D1	B2, C2, D2
11.26 - 33.75	A0	C1, D1	C2, D2
33.76 - 56.25	A0	C1, D1, E1	C2, D2, E2
56.26 - 78.75	A0	C1, D1, E1, F1	C2, D2, E2, F2
78.76 - 101.25	A0	C1, D1, E1, F1	D2, E2, F2
101.26 - 123.75	A0	D1, E1, F1	D2, E2, F2, F3
123.76 - 146.25	A0	E1, F1	E2, F2, F3
146.26 - 168.75	A0	A1, E1, F1	A2, E2, F2, F3
168.76 - 191.25	A0	A1, E1, F1	A2, F2, F3
191.26 - 213.75	A0	A1, B1, E1, F1	A2, A3, B2, F2, F3
213.76 - 236.25	A0	A1, B1, F1	A2, A3, B2, F2, F3
236.26 - 258.75	A0	A1, B1, F1	A2, A3, B2, F3
258.76 - 281.25	A0	A1, B1, C1	A2, A3, B2, C2
281.26 - 303.75	A0	A1, B1, C1	A2, A3, B2, C2
303.76 - 326.25	A0	B1, C1	A3, B2, C2
326.26 - 348.74	A0	B1, C1, D1	B2, C2, D2

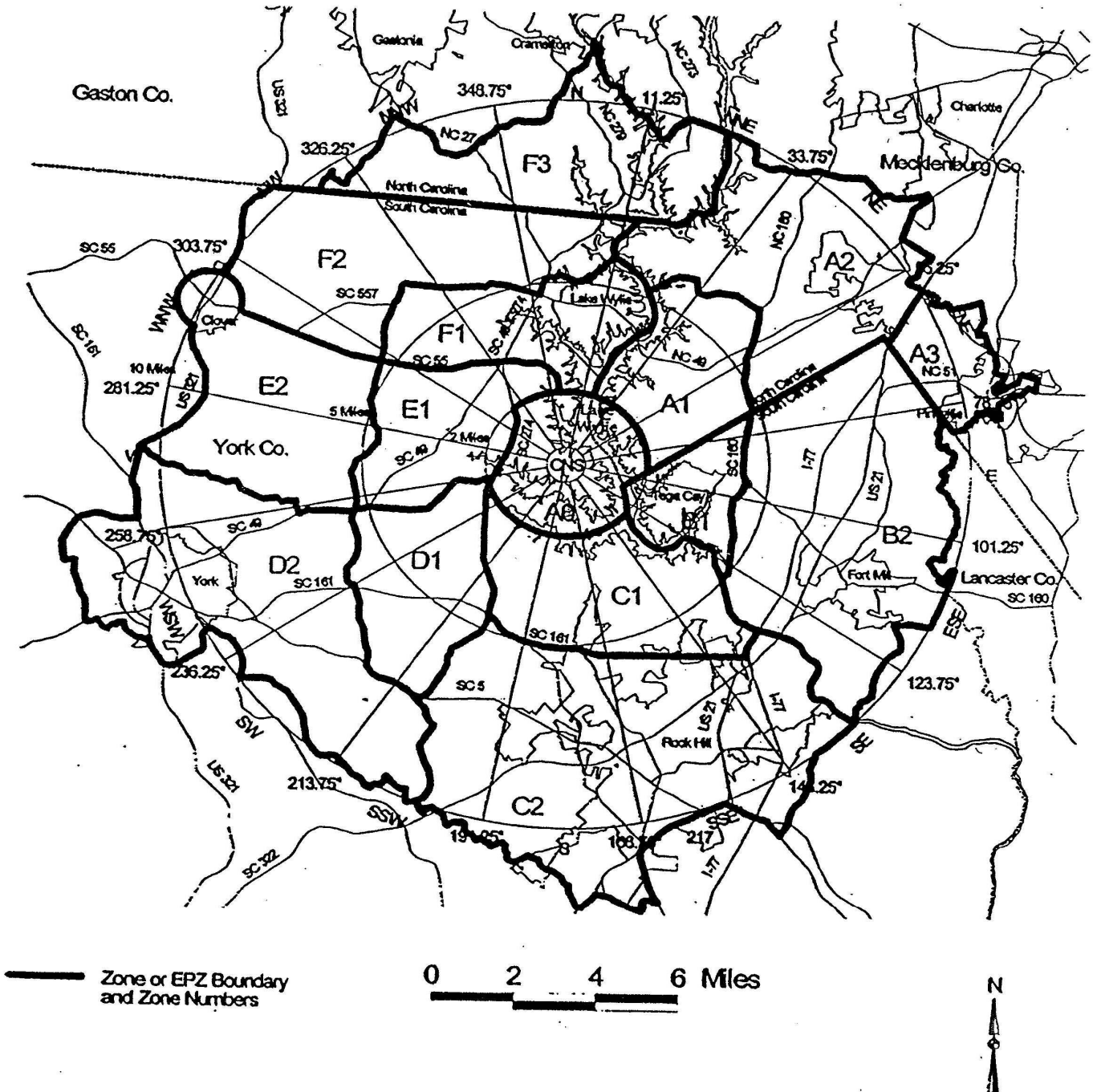
NOTE: **IF** changes to the initial Protective Action Recommendations are recommended, these changes must be transmitted to the offsite agencies within 15 minutes.

CAUTION: **IF** a zone has been accurately selected for evacuation, it shall remain selected. {27},
{30}

- _____ **IF** dose projections indicate that CDE Thyroid dose will be ≥ 5 Rem, recommend KI use by the General Public in accordance with State Plans and Policy. {23}
- _____ Evaluate specific plant conditions, offsite dose projections, wind direction, field monitoring team data, and assess the need to update Protective Action Recommendations made to the states and counties in the previous notification throughout the event.
- _____ Review dose projections with the Radiological Assessment Manager to determine if Protective Action Recommendations are required beyond the 10-mile EPZ.
- _____ **IF** Protective Action Recommendations are required beyond 10 miles, notify states and counties to consider sheltering/evacuating general population located beyond the affected 10-mile EPZ.

Catawba Offsite Protective Actions

Catawba Protective Action Zones - 10-mile EPZ
(2 and 5-mile Radius, inner circles)



Protective Action Guides

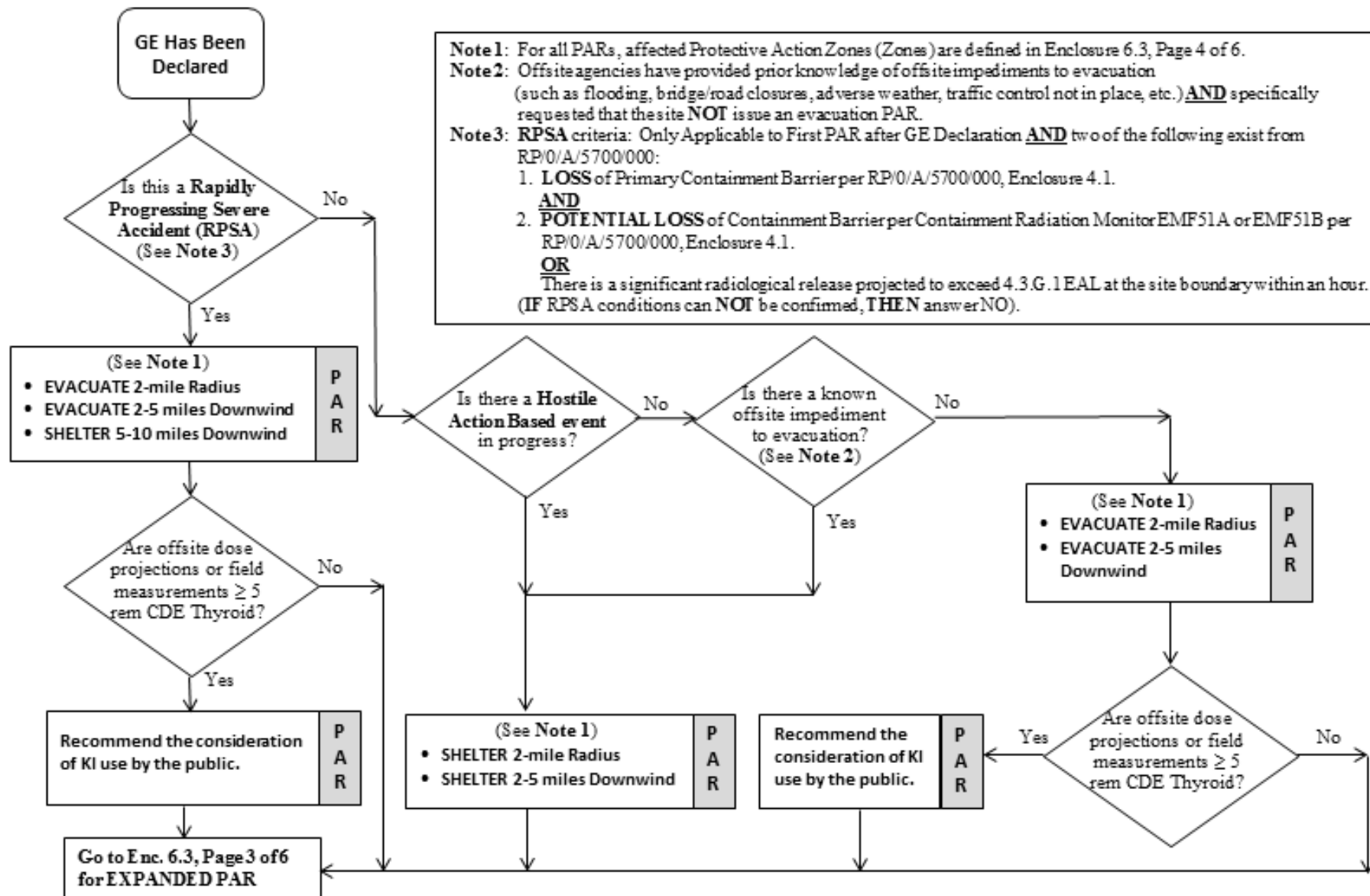
Note: Protective Action Recommendations (PARs) for the public apply during a General Emergency, and include sheltering, evacuation and consideration of KI use. PARs are based on plant conditions independent of projected dose, and can also be based on projected dose. Protective Action Guides (PAGs) are levels of radiation dose at which prompt protective actions should be initiated and are based on EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents. The projected dose PARs specified in this enclosure are based on the PAGs listed below. The PAG for KI is taken from Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies, FDA Guidance, November 2001 and Guidance for Industry, KI in Radiation Emergencies, Questions and Answers, FDA, December 2002. {23}

PROTECTIVE ACTION GUIDES (PAGs) (Projected Dose or Field Measurements)	
Total Effective Dose Equivalent (TEDE)	Committed Dose Equivalent (CDE) Thyroid
≥ 1 Rem	≥ 5 Rem

INITIALS _____

PRINTED NAME _____

McGuire Offsite Protective Actions Flowchart - INITIAL PAR



McGuire Offsite Protective Actions Flowchart - EXPANDED PAR

Note 1: For all PARs, affected Protective Action Zones (Zones) are defined in Enclosure 6.3, Page 4 of 6. **IF** a Zone has been accurately selected for evacuation, it shall remain selected.

Note 2: Offsite agencies have provided prior knowledge of offsite impediments to evacuation (such as flooding, bridge/road closures, adverse weather, traffic control not in place, etc.) **AND** specifically requested that the site **NOT** issue an evacuation PAR.

Note 3: A short-term release is one that can be accurately projected to be < three hours and controlled by the licensee. This consideration would typically apply to controlled venting of containment.

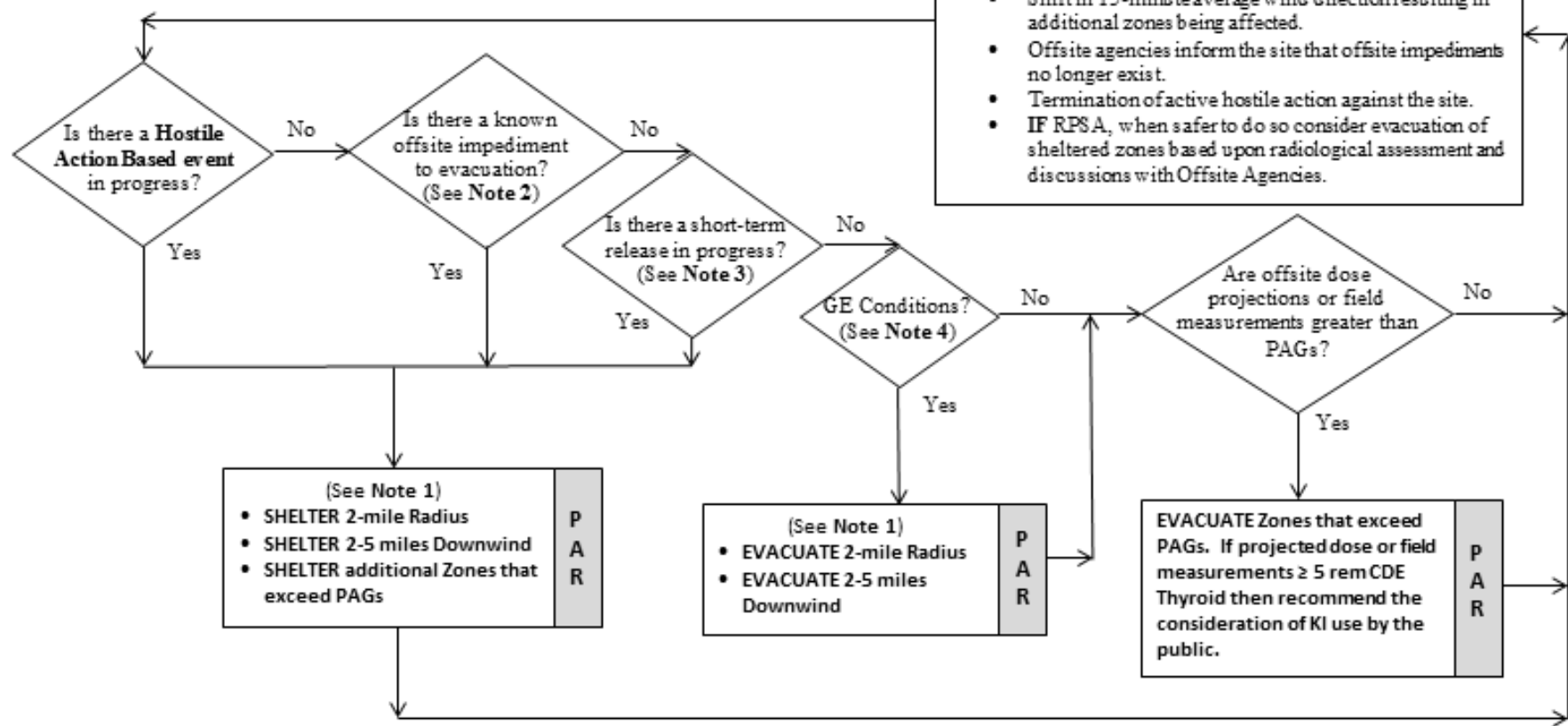
Note 4: **Plant conditions** exist which would require the classification of a General Emergency per the EALs. This does **NOT** include consideration of offsite dose-based EALs.

From INITIAL PAR
Enc. 6.3, Page 2 of 6

Continuous Assessment

Evaluate PAR based on changes in any of the following:

- Increase in dose assessment projected values.
- Increase in field measurement values.
- Shift in 15-minute average wind direction resulting in additional zones being affected.
- Offsite agencies inform the site that offsite impediments no longer exist.
- Termination of active hostile action against the site.
- **IF** RPSA, when safer to do so consider evacuation of sheltered zones based upon radiological assessment and discussions with Offsite Agencies.



INITIAL

CAUTION: A short term release is any release that can be projected to be 3 hours or less in duration. An example would be a "puff release". A controlled release is one that can be started and stopped at the licensee's discretion, such as the venting of Containment for pressure control. **IF** a release is short term **AND** controlled, sheltering in lieu of evacuation should be considered. {36}

NOTE:{5} If necessary, obtain needed data from one of the following sources in order of sequence:
 A. McGuire SDS (Group Display "ERORD5")
 B. Duke Energy Meteorologist (2-0139, 3-7896, **OR** 2-4316)
 C. National Weather Service in Greer, S.C. (9-1-864-879-1085, 9-1-800-268-7785)

—— **IF AT ANY TIME** a General Emergency is declared, make immediate PROTECTIVE ACTION RECOMMENDATIONS (PARs) within 15 minutes to be entered on Line 5 of the Emergency Notification Form (ENF). Determine the PARs based on the 15-minute average upper wind direction (OAC point M1P0847) as below:

Protective Action Zones			
Wind Direction	2-Mile Radius	2-5 Miles Downwind	5-10 Miles Downwind (RPSA Only)
0.1 - 22.5	B,C,L,M	D,O,R	E,F,S
22.6 - 45.0	B,C,L,M	D,O,R	E,Q,S
45.1 - 67.5	B,C,L,M	D,N,O,R	E,P,Q,S
67.6 - 90.0	B,C,L,M	D,N,O,R	P,Q,S
90.1 - 112.5	B,C,L,M	N,O,R	K,P,Q,S
112.6 - 135.0	B,C,L,M	A,N,O,R	I,K,P,Q,S
135.1 - 157.5	B,C,L,M	A,N,O	I,K,P,Q
157.6 - 180.0	B,C,L,M	A,N	H,I,J,K,P
180.1 - 202.5	B,C,L,M	A,N	G,H,I,J,K,P
202.6 - 225.0	B,C,L,M	A,D,N	G,H,I,J,K,P
225.1 - 247.5	B,C,L,M	A,D	F,G,H,I,J
247.6 - 270.0	B,C,L,M	A,D	F,G,H,I,J
270.1 - 292.5	B,C,L,M	A,D	E,F,G,H,J
292.6 - 315.0	B,C,L,M	A,D,R	E,F,G
315.1 - 337.5	B,C,L,M	D,R	E,F,G,S
337.6 - 360.0	B,C,L,M	D,R,O	E,F,S

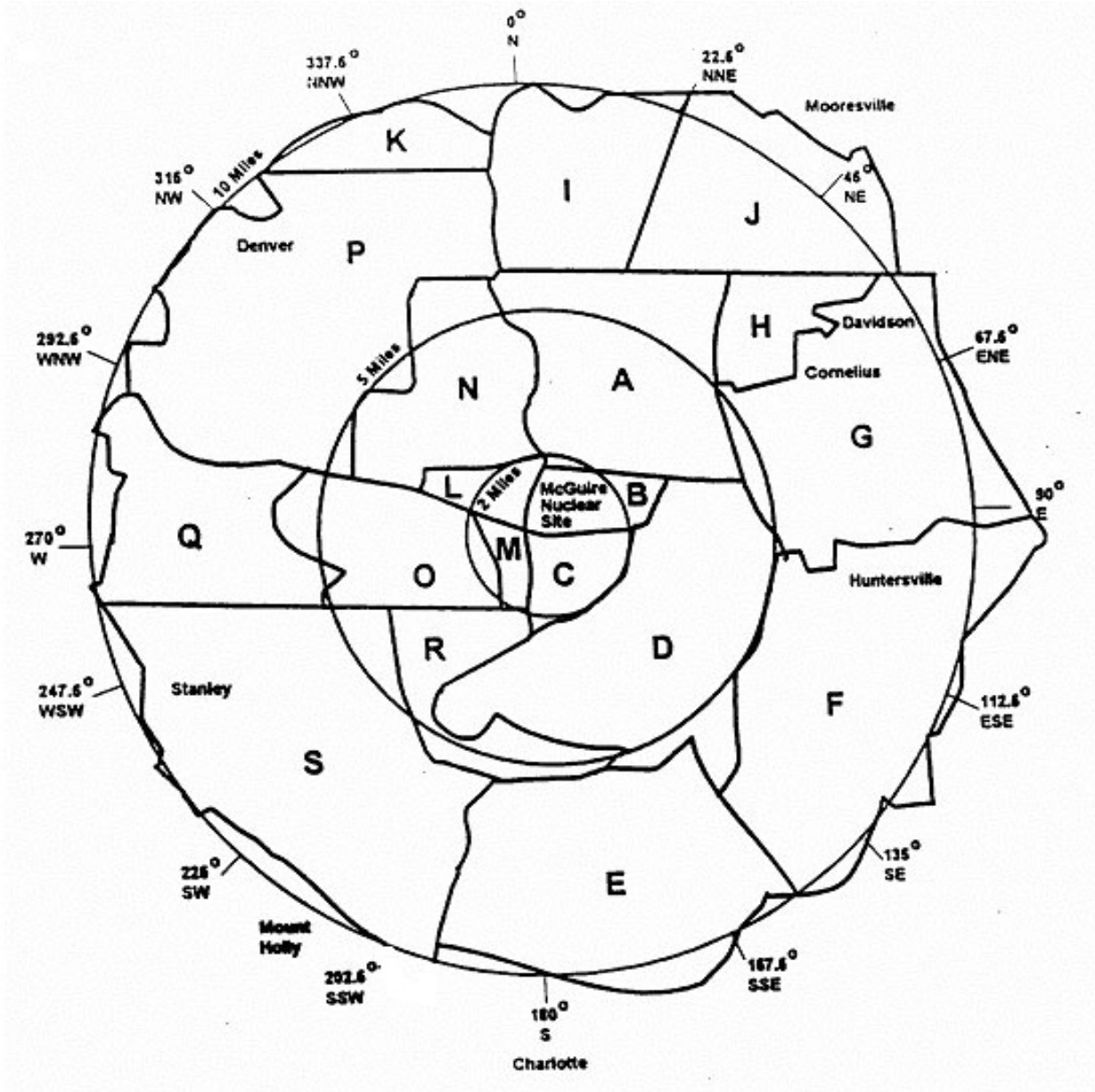
NOTE: IF changes to the initial Protective Action Recommendations are recommended, these changes must be transmitted to the offsite agencies within 15 minutes.

CAUTION: IF a zone has been accurately selected for evacuation, it shall remain selected. {27},
{30}

- _____ IF dose projections indicate that CDE Thyroid dose will be ≥ 5 Rem, recommend KI use by the General Public in accordance with State Plans and Policy. {23}
- _____ Evaluate specific plant conditions, offsite dose projections, wind direction, field monitoring team data, and assess the need to update Protective Action Recommendations made to the states and counties in the previous notification throughout the event.
- _____ Review dose projections with the Radiological Assessment Manager to determine if Protective Action Recommendations are required beyond the 10-mile EPZ.
- _____ IF Protective Action Recommendations are required beyond 10 miles, notify states and counties to consider sheltering/evacuating general population located beyond the affected 10-mile EPZ.

McGuire Offsite Protective Actions

McGuire Protective Action Zones - 10-mile EPZ
(2 and 5-mile radius, inner circles)



Oconee Offsite Protective Actions

Protective Action Guides

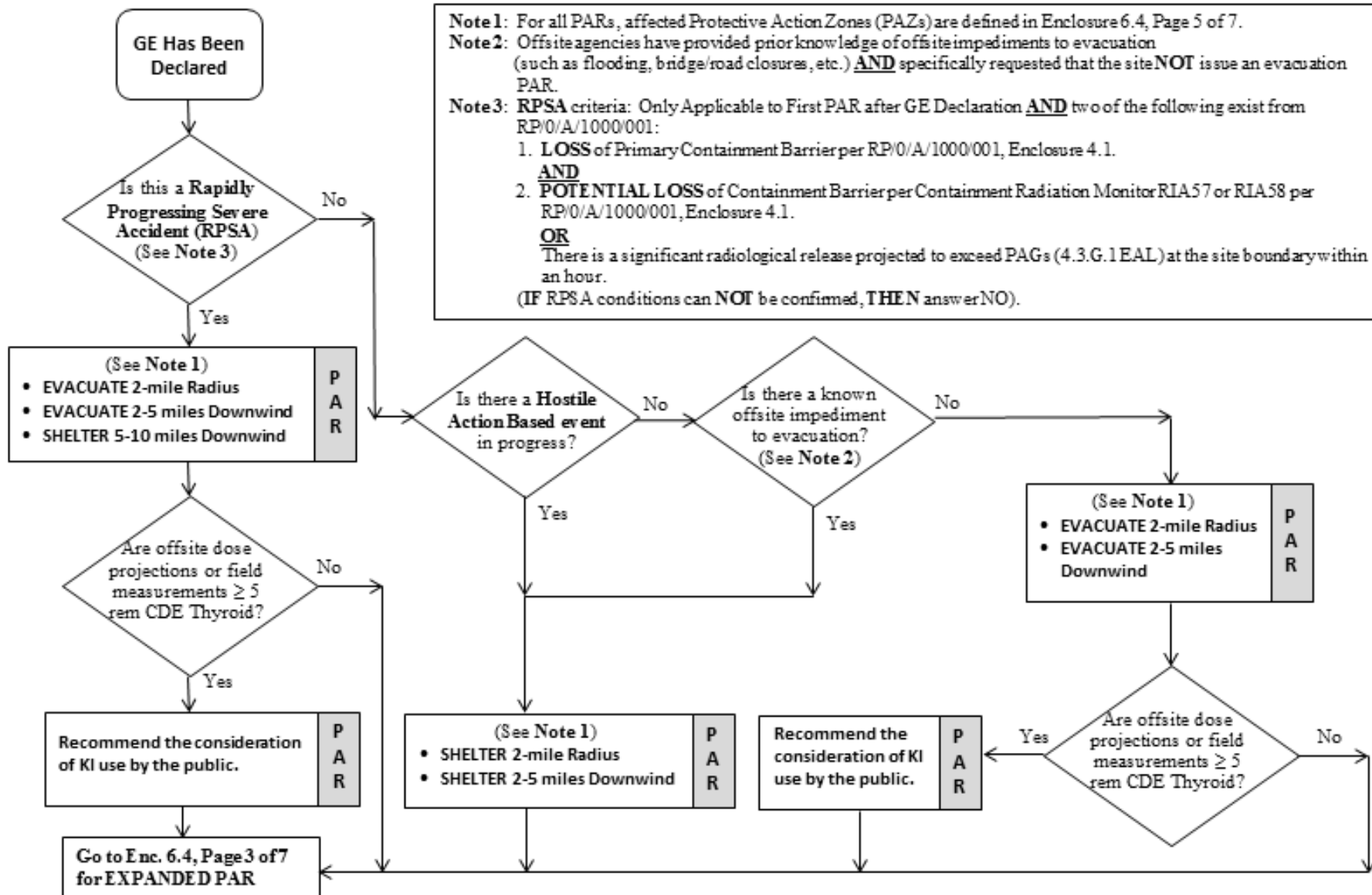
Note: Protective Action Recommendations (PARs) for the public apply during a General Emergency, and include sheltering, evacuation and consideration of KI use. PARs are based on plant conditions independent of projected dose, and can also be based on projected dose. Protective Action Guides (PAGs) are levels of radiation dose at which prompt protective actions should be initiated and are based on EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents. The projected dose PARs specified in this enclosure are based on the PAGs listed below. The PAG for KI is taken from Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies, FDA Guidance, November 2001 and Guidance for Industry, KI in Radiation Emergencies, Questions and Answers, FDA, December 2002. {23}

PROTECTIVE ACTION GUIDES (PAGs) (Projected Dose or Field Measurements)	
Total Effective Dose Equivalent (TEDE)	Committed Dose Equivalent (CDE) Thyroid
≥ 1 Rem	≥ 5 Rem

INITIALS _____

PRINTED NAME _____

Note 1: For all PARs, affected Protective Action Zones (PAZs) are defined in Enclosure 6.4, Page 5 of 7.
Note 2: Offsite agencies have provided prior knowledge of offsite impediments to evacuation (such as flooding, bridge/road closures, etc.) **AND** specifically requested that the site **NOT** issue an evacuation PAR.
Note 3: RPSA criteria: Only Applicable to First PAR after GE Declaration **AND** two of the following exist from RP/0/A/1000/001:
 1. **LOSS** of Primary Containment Barrier per RP/0/A/1000/001, Enclosure 4.1.
AND
 2. **POTENTIAL LOSS** of Containment Barrier per Containment Radiation Monitor RIA57 or RIA58 per RP/0/A/1000/001, Enclosure 4.1.
OR
 There is a significant radiological release projected to exceed PAGs (4.3.G.1 EAL) at the site boundary within an hour.
(IF RPSA conditions can NOT be confirmed, THEN answer NO).



Note 1: For all PARs, affected Protective Action Zones (PAZs) are defined in Enclosure 6.4, Page 5 of 7. IF a PAZ has been accurately selected for evacuation, it shall remain selected.

Note 2: Offsite agencies have provided prior knowledge of offsite impediments to evacuation (such as flooding, bridge/road closures, adverse weather, traffic control not in place, etc.) AND specifically requested that the site NOT issue an evacuation PAR.

Note 3: A short-term release is one that can be accurately projected to be < three hours and controlled by the licensee. This consideration would typically apply to controlled venting of containment.

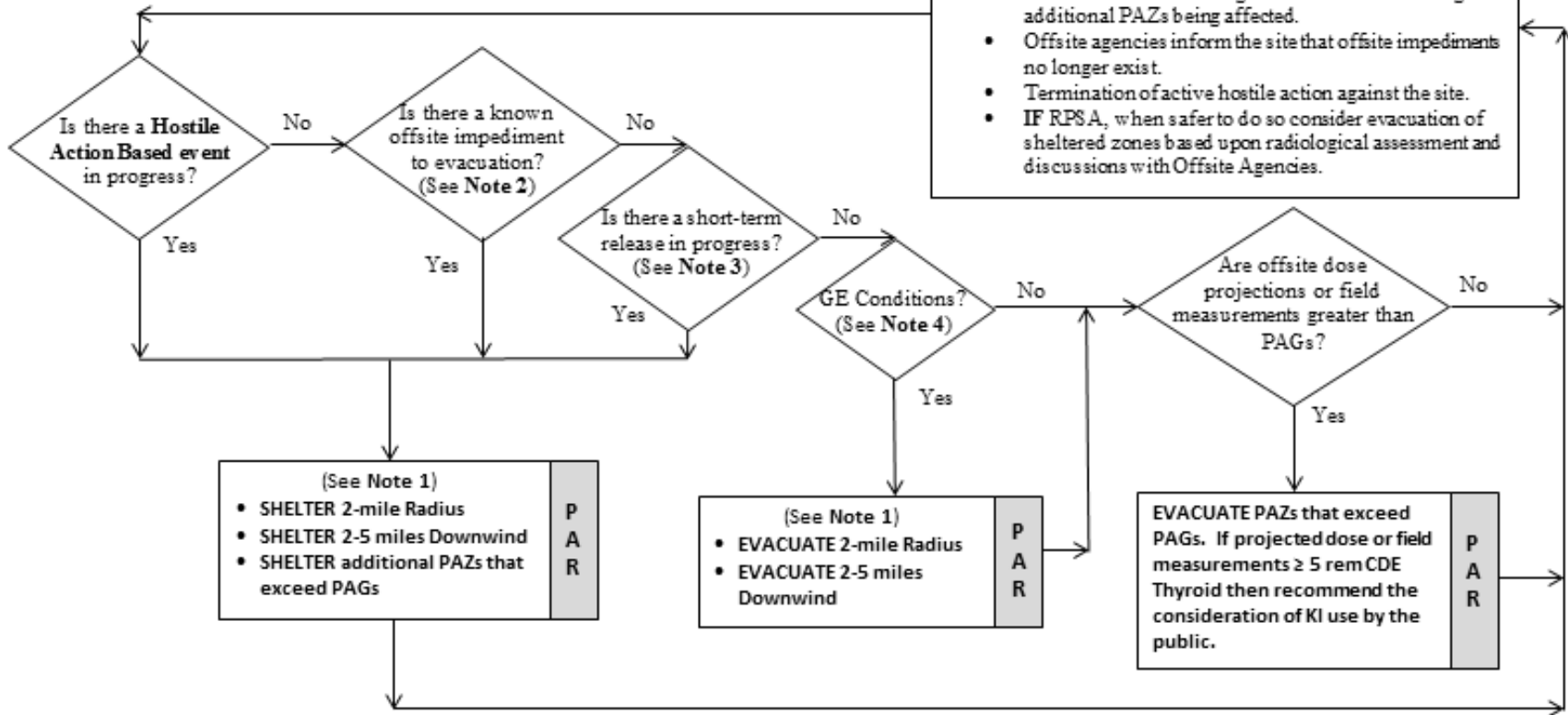
Note 4: Plant conditions exist which would require the classification of a General Emergency per the EALs. This does NOT include consideration of offsite dose-based EALs.

From INITIAL PAR
Enc. 6.4, Page 2 of 7

Continuous Assessment

Evaluate PAR based on changes in any of the following:

- Increase in dose assessment projected values.
- Increase in field measurement values.
- Shift in 15-minute average wind direction resulting in additional PAZs being affected.
- Offsite agencies inform the site that offsite impediments no longer exist.
- Termination of active hostile action against the site.
- IF RPSA, when safer to do so consider evacuation of sheltered zones based upon radiological assessment and discussions with Offsite Agencies.



Enclosure 6.4
Oconee Offsite Protective Actions

INITIAL

CAUTION: A short term release is any release that can be projected to be 3 hours or less in duration. An example would be a "puff release". A controlled release is one that can be started and stopped at the licensee's discretion, such as the venting of Containment for pressure control. **IF** a release is short term **AND** controlled, sheltering in lieu of evacuation should be considered. {36}

NOTE:{5}If necessary, obtain needed data from one of the following sources in order of sequence:
A. Oconee SDS (Turn On Code "EROENV")
B. Duke Energy Meteorologist (2-0139, 3-7896, **OR** 2-4316)
C. National Weather Service in Greer, S.C. (9-1-864-879-1085 **OR** 9-1-800-268-7785)

— **IF AT ANY TIME** a General Emergency is declared, make immediate PROTECTIVE ACTION RECOMMENDATIONS (PARs) within 15 minutes to be entered on Line 5 of the Emergency Notification Form (ENF). Determine the meteorological parameters to use based on the 15-minute average wind direction (SDS "EROENV" screen) as determined from the following chart below:

Time of Day Conditions	Met Parameter	First Priority	Second Priority	Third Priority	Fourth Priority
1000 - 1600	Wind Direction	60M reading	10M reading	River Tower	NWS
1600 – 1000 and River Wind between 210° and 360° or 0° and 70°	Wind Direction	60M reading	10M reading	River Tower	NWS
1600 – 1000 and River Wind between 70° and 210°	Wind Direction	River Tower	60M reading	NWS	

Enclosure 6.4
Oconee Offsite Protective Actions

_____ Determine affected zones from chart below based on the 15-minute average wind direction as determined in previous step:

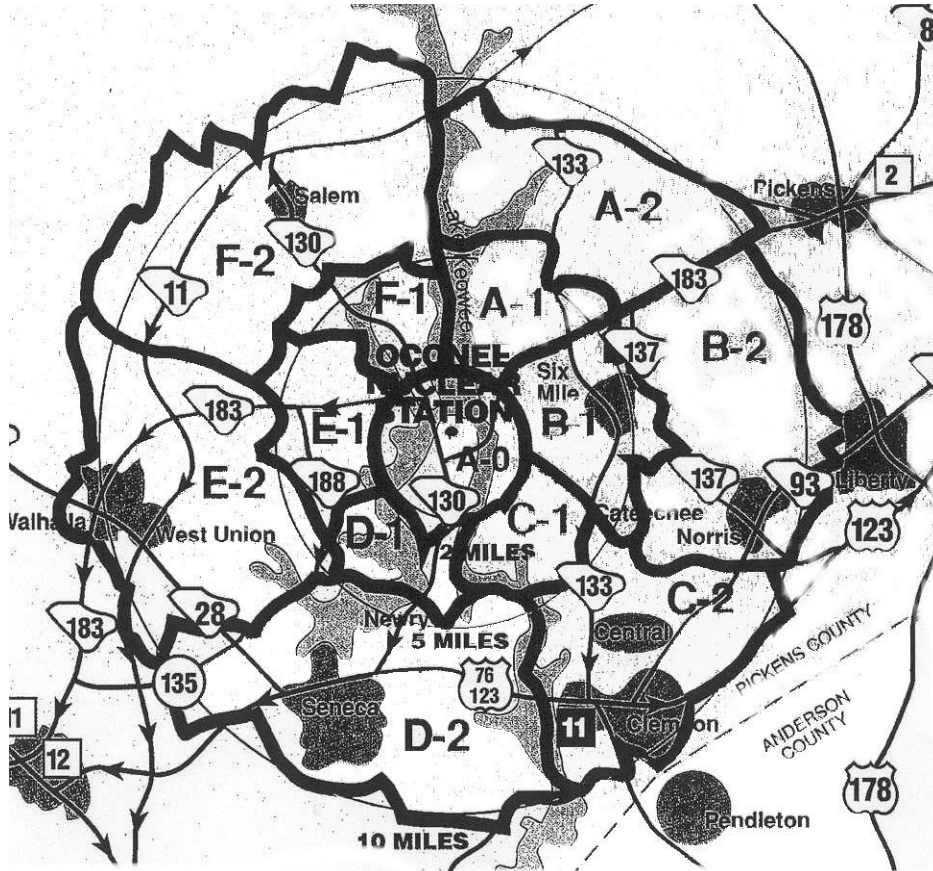
Wind Direction	Protective Action Zones		
	0-2 miles;	2-5 miles;	5-10 miles (RPSA Only)
14.1°-27°	A0,	C1, D1, E1,	C2, D2, E2
27.1°-42°	A0,	C1, D1, E1,	D2, E2
42.1°-66°	A0,	D1, E1,	D2, E2
66.1°-85°	A0,	D1, E1,	D2, E2, F2
85.1°-104°	A0,	D1, E1, F1,	D2, E2, F2
104.1°-129°	A0,	E1, F1,	E2, F2
129.1°-156°	A0,	A1, E1, F1,	A2, E2, F2
156.1°-175°	A0,	A1, E1, F1,	A2, F2
175.1°-181°	A0,	A1, F1,	A2, F2
181.1°-219°	A0,	A1, B1, F1,	A2, B2, F2
219.1°-255°	A0,	A1, B1,	A2, B2,
255.1°-271°	A0,	A1, B1, C1,	A2, B2, C2
271.1°-297°	A0,	B1, C1,	B2, C2
297.1°-312°	A0,	B1, C1,	B2, C2, D2
312.1°-345°	A0,	B1, C1, D1,	B2, C2, D2
345.1°-14°	A0,	C1, D1,	C2, D2

NOTE: **IF** changes to the initial Protective Action Recommendations are recommended, these changes must be transmitted to the offsite agencies within 15 minutes.

CAUTION: **IF** a zone has been accurately selected for evacuation, it shall remain selected.
{27}, {30}

- _____ **IF** dose projections indicate that CDE Thyroid dose will be ≥ 5 Rem, recommend KI use by the General Public in accordance with State Plans and Policy. {23}
- _____ Evaluate specific plant conditions, offsite dose projections, wind direction, field monitoring team data, and assess the need to update Protective Action Recommendations made to the states and counties in the previous notification throughout the event.
- _____ Review dose projections with the Radiological Assessment Manager to determine if Protective Action Recommendations are required beyond the 10-mile EPZ.
- _____ **IF** Protective Action Recommendations are required beyond 10 miles, notify states and counties to consider sheltering/evacuating general population located beyond the affected 10-mile EPZ.

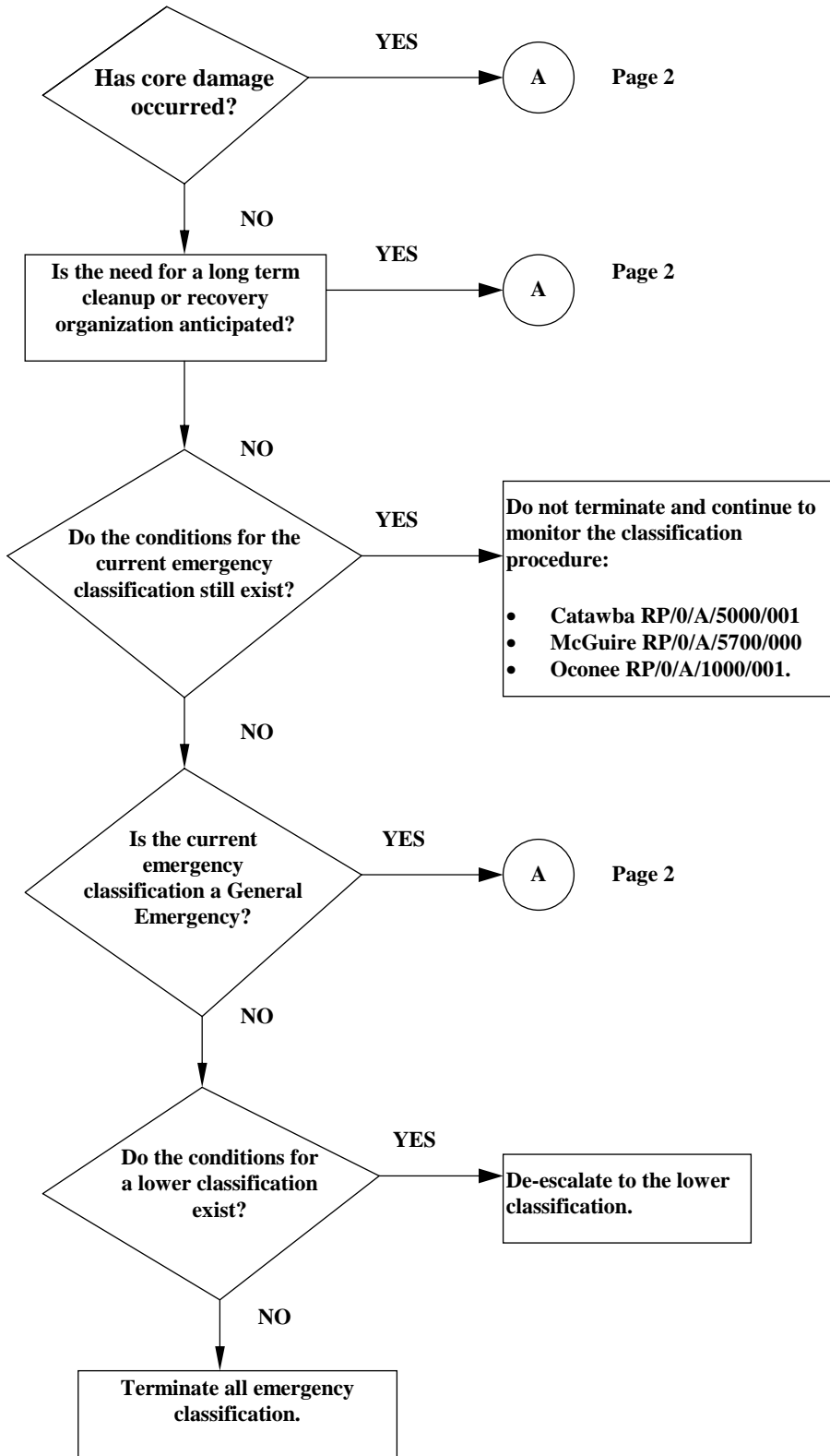
Oconee Protective Action Zones - 10-Mile EPZ
 (2 and 5-mile radius, inner circles)



Radius From Site (miles)	Pickens County Zones	Oconee County Zones
0-2	A0	A0
2-5	A-1, B-1, C-1	D-1, E-1, F-1
5-10	A-2, B-2, C-2	D-2, E-2, F-2

**Emergency Classification Downgrade/Termination
Criteria**

INITIAL



INITIALS _____

PRINTED NAME _____

**Emergency Classification Downgrade/Termination
Criteria**

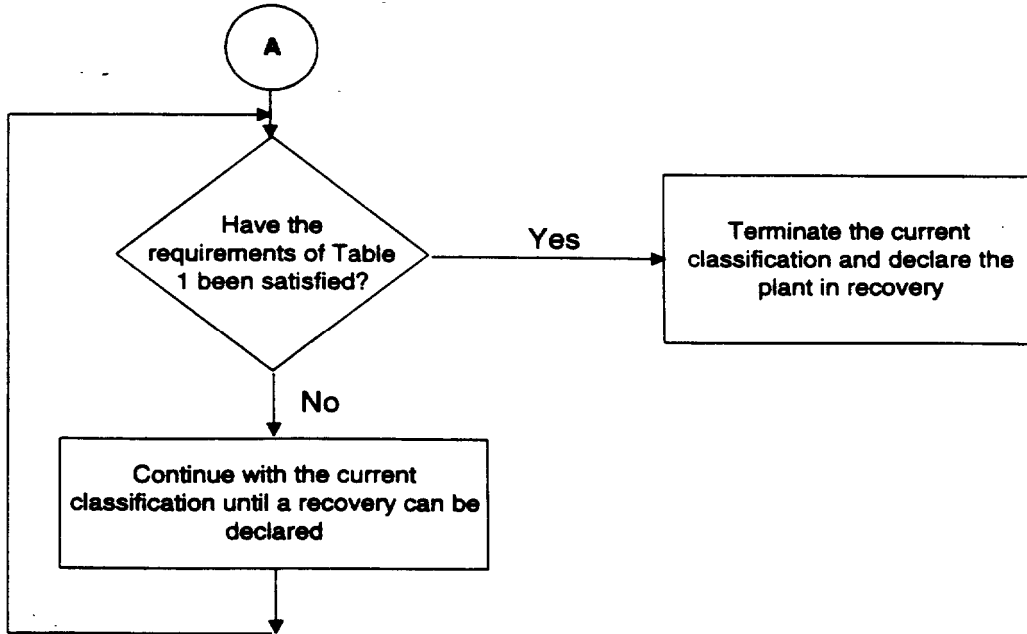


Table 1

___ Security threat has been contained.

___ No new evacuation or sheltering protective actions are anticipated.

___ Containment pressure is being maintained less than design pressure.

___ Containment hydrogen levels are less than 9% and stable or decreasing.

___ Decay heat rejection to the ultimate heat sink has been established and is stable. This is indicated by either of the following (circle one):

- Decay heat removal is considered stable if supported by redundancy or diversity

- Examples of a satisfactory state include:

- 2 trains of systems for sump recirculation.
- 2 trains of Decay Heat Removal (DHR)
- 1 train of DHR and the ability to cool with the steam generators.
- steam generator cooling with 2 trains of feed capability.

OR

- Decay heat removal is considered stable if no additional fission product barrier challenges would be expected for at least 2 hours following interruption of core cooling.

(continued on next page)

**Emergency Classification Downgrade/Termination
Criteria**

_____The risks from recriticality are acceptably low.

_____Radiation Protection is monitoring access to radiologically hazardous areas.

_____Offsite conditions do not limit plant access.

_____The Public Information Coordinator, NRC officials, and State representatives have been consulted to determine the effects of termination on their activities.

_____The recovery organization is ready to assume control of recovery operations:

- Catawba - RP/0/B/5000/025
- McGuire - RP/0/A/5700/024
- Oconee - RP/0/A/1000/027

Radiological Assessment Manager Checklist

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.
- _____ Don position badge.
- _____ Sign in on the EOF staffing board.
- _____ Obtain copy of AD-EP-ALL-0202, Emergency Response Offsite Dose Assessment. {56}
- _____ **IF** Field Monitoring teams have been dispatched, ensure FMC has established communication with Field Monitoring teams. {18}
- _____ Notify EOF Director that Radiological Assessment Manager (RAM) position is operational.
- _____ Ensure all Radiation Protection personnel reporting to the EOF sign in on staffing board.
- _____ Ensure that EOF Dose Assessors are kept informed of pertinent plant information including, but not limited to:
- 1) Time of TSC activation
 - 2) Time of EOF activation
 - 3) Time of reactor trip
 - 4) Status of safety injection
 - 5) Status of onsite radiological conditions
 - 6) Time next emergency notification message is due. {15}
- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.
- _____ Communicate to EOF Director:
- 1) Any release in progress, including dose rates (especially at the site boundary)
 - 2) Field Team status/data
 - 3) On-site radiological concerns
 - 4) Need to request the site pull a reactor coolant sample for Dose Equivalent Iodine to support emergency classification

INITIALS _____

PRINTED NAME _____

Radiological Assessment Manager Checklist

_____ Review Criteria in "Classification of Emergency" procedure for emergency classification changes and discuss with Accident Assessment personnel plant conditions including power failures, valve closures, etc.

Catawba RP/0/A/5000/001

OR

McGuire RP/0/A/5700/000

OR

Oconee RP/0/A/1000/001.

NOTE:

- Microsoft Office Communicator is an acceptable communications method.
- Oconee TSC Dose Assessment Liaison, 9-1-864-873-4902.
- Catawba/McGuire, Dose Assessment Bridge, 9-980-875-4980.

_____ Establish communications with dose assessment personnel at TSC. Compare information, projections and strategies with TSC. {4, 60}

NOTE: Descriptions of Keowee Hydro Dam/Dike Condition A and B are provided in Enclosure 6.22. {58}

_____ **IF** Condition A, Dam Failure (Keowee or Jocassee) exists, make the following Protective Action Recommendations to Oconee County and Pickens County for imminent/actual dam failure and include on the Emergency Notification Form on Line 5B (Evacuate) and Line 5E (Other):

Line 5B *Move residents living downstream of the Keowee Hydro Project dams to higher ground.*

Line 5E *Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.*

NOTE: Enclosure 6.2 (for CNS), Enclosure 6.3 (for MNS), and Enclosure 6.4 (for ONS) provide guidance for PARs and KI protective action recommendations.

_____ **IF** General Emergency is declared, provide PAR information on Line 5 of the Emergency Notification Form:

CAUTION: **IF** a zone has been accurately selected for evacuation, it shall remain selected. {27}, {30}

- Zones for Evacuation
- Zones for Sheltering
- Use of KI for General Public. {23}
- Other PARs.

_____ Determine, with input from the Accident Assessment Manager (AAM), Protective Actions using

- Enclosure 6.2, Catawba Offsite Protective Actions
- Enclosure 6.3, McGuire Offsite Protective Actions
- Enclosure 6.4, Oconee Offsite Protective Actions

_____ Review dose projections and determine if Protective Action Recommendations are required beyond 10-mile EPZ.

NOTE: **IF** changes to the initial Protective Action Recommendations, including KI, are recommended to and approved by the EOF Director, these changes shall be transmitted to the offsite agencies within 15 minutes and the reason for the Protective Action Recommendation change be reported on Line 13 of the ENF {46}.

_____ Provide EOF Director Protective Action Recommendations.

_____ Evaluate Emergency Release Status:

- None - no release of radioactivity generated by the event and no release expected.
- Is Occurring - radioactivity generated during an event that is currently being released through any defined accident pathway, as indicated by **ANY** of the following:

McGuire/Catawba

- EMF-38, 39, 40, 51 (MNS), 53 (CNS) containment monitor reading(s) indicate an increase **AND** containment pressure is greater than 0.3 psig
- EMF-38, 39, 40, 51 (MNS), 53 (CNS) containment monitor reading(s) indicate an increase **AND** a known leak path exists from containment
- EMF-36 unit vent monitor reading or other alternate means indicates steam generator tube leakage
- EMF-33 CSAE exhaust monitor reading or other alternate means indicates steam generator tube leakage
- A known unmonitored release path exists **AND** radioactive material exists
- Alternate method of release determination
- Field Monitoring Team results.

Oconee

- RIA-47, 48, 49, 49A, 57 or 58 containment monitor reading(s) indicate an increase **AND** containment pressure is greater than 1 psig
 - RIA-47, 48, 49, 49A, 57 or 58 containment monitor reading(s) indicate an increase **AND** a known leak path exists from containment
 - RIA-45 or 46 unit vent monitor reading(s) indicate an increase in activity
 - RIA-40 CSAE exhaust monitor reading or other alternate means indicates steam generator tube leakage
 - A known unmonitored release path exists, **AND** radioactive material exists
 - Alternate method of release determination
 - Field Monitoring Team results.
- Has Occurred - any radioactivity released to the environment during a declared emergency event, but has been stopped.

_____ Provide Emergency Release Status input for Line 6 of ENF.

NOTE: The Site Boundary Normal Operating Limits in the Technical Specifications and SLCs are:

- EDE 5.70 E-2 mRem/hr (500 mRem/yr)
- CDC Thyroid 1.71E-1 mRem/hr (1500 mRem/yr)

_____ Evaluate **AND** provide Emergency Release Significance for ENF Line 7:

- **IF** no release in progress, Not Applicable.
- **IF** release significance is known, Within Normal Operating Limits **OR** Above Normal Operating Limits.
- **IF** release significance is unknown, Under Evaluation.

_____ Provide on ENF Line 9:

- Wind Direction
- Wind Speed
- Precipitation Type
- Stability Class.

NOTES: 1. Emergency Release data are not required for initial Emergency Notification Forms **OR** notifications of changes in Protective Action Recommendations. {79}

2. It is inappropriate to provide information for liquid releases on ENF Lines 14, 15, and 16, as they cannot be quantified using URI and are not the basis for Protective Action Recommendations. It is appropriate to provide information about liquid releases on Line 13, Remarks. {82}

_____ Provide on ENF Line 14:

- Release Characterization (Type, C (Ground) and Units, B (Ci/sec))
- Magnitude (Ci/Sec Release rates from Dose Assessment Report)
- Form **AND** start and/or stop time, as appropriate.

_____ Provide Projection Parameters on ENF Line 15:

- Projection period (forecast period in hours) from Dose Assessment Report.
- Estimated Release Duration by adding forecast period and time elapsed since release began.
- Date and time projection was performed.

Radiological Assessment Manager Checklist

_____ Provide Projected Dose information on ENF Line 16, by entering "Forecast Data" from Dose Assessment Report.

_____ Assist Public Affairs and/or Public Spokesperson with dose comparisons based on computer model or field data.

<p>NOTE: <u>IF</u> necessary to relieve Duke Energy personnel, environmental surveillance support personnel from the DOE Radiological Assistance Plan may be requested by the Radiological Assessment Manager through the EOF Director. {53}</p>
--

_____ **IF** needed, conduct turnover for on-coming shift.

_____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

Enclosure 6.7
EOF Dose Assessor Checklist

SR/0/A/2000/003
Page 1 of 4

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Obtain copy of AD-EP-ALL-0202, Emergency Response Offsite Dose Assessment.

_____ Initiate log of activities sufficient to conduct a turnover for on-coming shift.

_____ Acquire necessary dose assessment and plant status information.

_____ **IF** data acquisition programs are unavailable, request SDS data from TSC or instrument readings from Control Room (EMF and Met data).

NOTE: Be aware of the effects of loss of power on critical EMFs (Catawba and McGuire) or RIAs (Oconee).

_____ Verify operability and validity of EMFs (Catawba and McGuire) or RIAs (Oconee) through the TSC.

_____ **IF** Catawba or McGuire event is in progress, verify effluent discharge alignment with Shift Lab, Radiation Protection Manager (TSC), or Dose Assessors (TSC) as necessary.

_____ **IF** Oconee event is in progress, verify effluent discharge alignment with TSC Dose Assessment Liaison (gas tank), RP Manager (gas tank or liquid releases), or Chemistry Manager in the OSC (liquid releases).

INITIALS _____

PRINTED NAME _____

Enclosure 6.7
EOF Dose Assessor Checklist

SR/0/A/2000/003
Page 2 of 4

NOTE:

- Microsoft Office Communicator is an acceptable communications method.
- Oconee, TSC Dose Assessment Liaison, 9-1-864-873-3705.
- Catawba/McGuire, Dose Assessment Bridge, 9-980-875-4980.

_____ Establish communications with dose assessment personnel at TSC. Compare information, projections and strategies with TSC.

_____ Obtain Dose Assessor turnover from TSC:

1. Release in progress: No: _____ Yes: _____

Is occurring _____ Has occurred _____ Time _____

Normal Operating Limits: Below _____ Above _____

2. Recommended Protective Actions:

A No Recommended Protective Actions

B Evacuate _____

C Shelter-In-Place _____

D Other _____

3. Additional pertinent information necessary to continue monitoring of release and dose assessment calculations.

Turnover complete date/time: _____

_____ Verify operability of Health Physics Network (HPN) phone by placing a call to the NRC using the number listed on HPN phone.

- NOTE:**
1. The NRC Regional Office will request activation of the HPN phone through Emergency Notification System (ENS) telephone if desired.
 2. Information that may be requested over the HPN line could include, but is not limited to the following:
 - Is there any change to the classification of the event? If so, what is the reason?
 - Have toxic or radiological releases occurred or been projected (including changes in the release rate)?
 - If so, what are the actual or currently projected onsite and offsite releases, and what is the basis for this assessment?
 - What are the health effects or consequences to onsite and offsite people?
 - How many onsite or offsite people are being or will be affected and to what extent?
 - Is the event under control? When was control established, or what is the planned action to bring the event under control?
 - What mitigative actions are currently underway or planned?
 - What onsite protective measures have been taken or are planned?
 - What offsite protective actions are being considered or have been recommended to state and local officials?
 - What are the current meteorological conditions?
 - What are the dose and dose rate readings onsite and offsite? {16}

_____ **IF** requested during a drill or actual event, activate HPN phone by calling NRC using number listed on HPN phone.

_____ Analyze source-term data, formulate source-term mitigation strategies, and provide information to Radiological Assessment Manager, EOF Staff, and TSC Dose Assessors as required.

_____ Perform dose projections as appropriate to plant conditions.

_____ Interact with Field Monitoring Coordinator to compare off-site dose projections to actual field readings.

Enclosure 6.7
EOF Dose Assessor Checklist

SR/0/A/2000/003
Page 4 of 4

NOTE: Emergency Release data are not required for initial Emergency Notification Forms **OR** notifications of changes in Protective Action Recommendations. {79}

- _____ Evaluate dose projections and provide protective action recommendations to Radiological Assessment Manager and EOF Director.

- _____ **IF** SAMGs are implemented **AND** offsite releases approach or exceed 100mRem TEDE or 500mRem Thyroid CDE, notify EOF SAMG Evaluator (in Accident Assessment Area). (Applicable to Catawba and McGuire). {22}

- _____ **IF** SAMGs are implemented **AND** offsite releases approach or exceed 1Rem TEDE or 5 Rem Thyroid CDE, notify EOF SAMG Evaluator (in Accident Assessment Area). (Applicable to Catawba and McGuire). {14}

- _____ **IF** needed, conduct turnover for on-coming shift.

- _____ Restore equipment to "Ready Status" and notify appropriate personnel of conditions that would cause a less than operational status.

- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

Field Monitoring Coordinator Checklist

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

NOTE: Field Teams may be directed by the EOF Field Monitoring Coordinator (FMC) prior to activation of the EOF.

_____ Obtain copy of SH/0/B/2005/002, Protocol for the Field Monitoring Coordinator During Emergency Conditions.

_____ Establish log of activities sufficient enough to conduct a turnover for on-coming shift.

NOTE: 1. For drill or exercise met data, choose appropriate site simulator SDS resource.
2. For real time met data, choose the SDS resource for a specific site and unit.

_____ Refer to Procedure Step 3.2 to access SDS.

INITIALS _____

PRINTED NAME _____

Field Monitoring Coordinator Checklist

_____ **WHEN** EOF Radio Operator has established communications with field monitoring teams, notify TSC Dose Assessors and provide direction to field monitoring teams. {19}

Catawba Specific

Perform duties as described in the following:

- HP/0/B/1009/004, "Environmental Monitoring for Emergency Conditions Within the Ten Mile Radius of CNS"
- HP/0/B/1009/019, "Emergency Radio System Operation, Maintenance, & Communication".

_____ **IF** needed, conduct turnover for on-coming shift.

_____ Restore equipment to "Ready Status" and notify appropriate personnel of conditions that would cause a less than operational status.

_____ Provide all completed procedures and copies of logs to EOF Emergency Planner upon deactivation of EOF.

Enclosure 6.9
Radio Operator Checklist

SR/0/A/2000/003
Page 1 of 1

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

- _____ Don position badge.

- _____ Sign in on EOF staffing board.

- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.

- _____ Obtain copy of SH/0/B/2005/002 (Protocol for the Field Monitoring Coordinator During Emergency Conditions), Enclosure 5.3 (Field Monitoring Survey data Sheet) and Enclosure 5.4 (Meteorological Update for Field Monitoring Teams). {6}

- _____ Establish contact with Field Teams.

- _____ Communicate instructions from Field Monitoring Coordinator to Field Teams.

- _____ Conduct turnover for on-coming shift, if needed.

- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____

PRINTED NAME _____

EOF Offsite Agency Communicator Checklist

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

_____ Establish log of activities sufficient to conduct turnover for on-coming shift.

_____ Notify INPO for an Alert, Site Area Emergency, General Emergency, or any event expected to require significant industry support, including the name of the affected site(s) and a name and phone number to call for additional information at one of the following numbers:
{70}{IER L1-13-10}{81}

- 9-1-800-321-0614 (Drills Only)
- 9-1-404-290-3977 (INPO Emergency Director)
- 9-1-404-290-3980 (INPO Assistant Emergency Director)

_____ **IF** requested:

- Provide INPO Emergency Director with a brief description of the nature of the event.
- Identify any equipment or support needed from INPO.
- Respond when contacted for periodic updates.

_____ Perform duties as described in procedure SR/0/A/2000/004 (Notification to States and Counties from the Emergency Operations Facility).

_____ Ensure emergency notification times are satisfied.

_____ Conduct turnover for on-coming shift, if needed.

_____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____

PRINTED NAME _____

EOF Services Administration/Commissary
Checklist {71}

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

INITIAL

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.
- _____ Don position badge.
- _____ Sign in on White Marker Board in EOF Services Area.
- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.
- _____ Ensure that the EOF Services Area is set up.
- _____ Provide administrative office support and supplies, such as:
 - Office supplies and equipment
 - Secretarial/clerical services
 - Copy center/fax services

NOTE: Personnel without badge access will need to be escorted into the EOF by the Assistant EOF Director, EOF Emergency Planner, EOF Services Manager, or their Mentor. { 61 }

- _____ Provide for personal needs of ERO, such as:
 - Food and beverage
 - Air travel, hotel, and car rental arrangements
 - Tables and chairs
 - Tents
 - Portable toilets
 - Trash receptacles
- _____ **IF** requested, provide in-house craft resources.
- _____ **IF** needed, contact additional personnel for support.
- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____ PRINTED NAME _____

EOF Services Administration/Commissary
Checklist {71}

EOF FACILITY POST-EVENT CHECKLIST

_____ Secure the EOF Services Area.

_____ Restock office supplies.

_____ **IF** needed,

- Ensure return of relocated office equipment.
- Notify hotels/motels of release of rooms.
- Assist personnel needing transportation home.
- Notify vendors to pick up furniture and equipment not needed for recovery.

_____ Notify vendors to discontinue food services to EOF.

ACTION LIST FOR CHANGING FROM EMERGENCY TO RECOVERY MODE

_____ Replenish supplies.

_____ Determine additional space requirements.

_____ Prepare weekly work schedules.

_____ Determine hotel/motel accommodations and travel requirements and contact Travel Services for securing these requirements.

_____ Notify food vendors to arrange shift operations to support recovery efforts for meals and breaks (snacks) with times and locations for serving.

_____ Notify chairs and table suppliers for appropriate needs and quantities.

_____ Notify tent suppliers for appropriate needs and quantities.

_____ Notify portable toilet suppliers for appropriate needs and quantities.

_____ Notify trash receptacle suppliers for appropriate needs and quantities.

_____ Establish shift coverage of commissary personnel to support total recovery efforts.

Accident Assessment Manager Checklist

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

_____ Establish log of activities sufficient to conduct turnover for on-coming shift.

_____ **IF** needed to support emergency, request staffing by Reactor Physics.

_____ Obtain copy of applicable "Classification of Emergency" procedure.

- Catawba: RP/0/A/5000/001
- McGuire: RP/0/A/5700/000
- Oconee: RP/0/A/1000/001

_____ **IF** Oconee is affected, obtain copy of "Oconee Nuclear Site Emergency Action Level Description Guidelines" Manual.

_____ Ensure PC is on and displaying plant status.

_____ Post changes in Fission Product Barrier status on the Fission Product Barrier Status Board in the EOF Director's Area.

_____ Provide I/C number and description for ENF Line 4 to Offsite Agency Communicators.

_____ Assist the Radiological Assessment Manager (RAM) in determining Protective Actions using:

- Enclosure 6.2, Catawba Offsite Protective Actions
- Enclosure 6.3, McGuire Offsite Protective Actions
- Enclosure 6.4, Oconee Offsite Protective Actions

NOTE: Definitions for ENF Line 8 are in Steps 2.4, 2.5, and 2.6 in the body of this procedure.

_____ Provide Event Prognosis for ENF Line 8 to Offsite Agency Communicators. {1} {7}

_____ Provide appropriate information for ENF Line 10 to Offsite Agency Communicator.

INITIALS _____

PRINTED NAME _____

NOTE: The Affected Unit on Line 11 is tied to the I/C on Line 4. Examples may not be all inclusive of events that may affect all units.

_____ Provide Affected Unit(s) for ENF Line 11 to Offsite Agency Communicators:

- Evaluate the following for classification for both units (CNS and MNS) or all three units (ONS). {28} {29}
 - Security event
 - Seismic event
 - Tornado on site
 - Hurricane force winds on site
 - Loss of both switch yards
 - Fire in SSF
 - Fire affecting shared safety related equipment
 - Condition A for Keowee Hydro Project Dam/Dike (ONS).
- **IF** event at Catawba or McGuire affects both units equally, check All. {28} {29}
- **IF** event at Oconee affects more than one unit equally, check All.
- **IF** event only affects one (1) unit **OR** one unit has a higher classification, check appropriate unit. {28} {29}

_____ Provide Unit Status for ENF Line 12 to Offsite Agency Communicators.

_____ **IF** an upgrade in classification occurs, notify Offsite Agency Communicator.

_____ Coordinate the following functions:

- Accident Assessment Interface
- Operations Interface
- Reactor Physics (as needed)

Accident Assessment Manager Checklist

- _____ Prepare for EOF Briefings using Enclosure 6.24 (EOF Briefing Guideline).
- _____ Assist TSC Emergency Coordinator as requested upon entry into Severe Accident Management Guidelines (SAMGs).
- _____ Conduct turnover for on-coming shift, if needed.
- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

Accident Assessment Interface Checklist

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Make Accident Assessment Manager aware this position is staffed.

_____ Establish log of activities sufficient enough to conduct turnover for on-coming shift.

_____ Ensure PCs are on and displaying affected station and unit plant status.

NOTE: Communications are established after the beep.

_____ Establish bridge line for Operations Loop for affected station:

- Catawba: 9-803-701-3994
- McGuire: 9-980-875-4500
- Oconee: 9-1-864-873-4908

_____ **IF** needed for McGuire, establish communications link with Engineering Manager, 9-980-875-4954.

_____ **IF** Oconee event, establish communications with Operations Interface, 9-1-864-873-3696.

_____ Obtain copy of Classification of Emergency procedure for affected station.

- Catawba: RP/0/A/5000/001
- McGuire: RP/0/A/5700/000
- Oconee: RP/0/A/1000/001

INITIALS _____

PRINTED NAME _____

Accident Assessment Interface Checklist

_____ Obtain copy of Core Damage Assessment procedure for affected station.

- Catawba: RP/0/A/5000/015
- McGuire: RP/0/A/5700/019
- Oconee: RP/0/B/1000/018.

_____ Gather plant status information using Accident Assessment Initial Information Request Form on page 4 or 5 of this enclosure.

_____ **IF AT ANY TIME** General Emergency is declared, **RECOMMEND IMMEDIATELY** to Accident Assessment Manager **AND** RAM protective actions using:

- Enclosure 6.2 - Catawba Offsite Protective Actions
- Enclosure 6.3 - McGuire Offsite Protective Actions
- Enclosure 6.4 - Oconee Offsite Protective Actions

_____ Perform the following steps as needed throughout event:

_____ **IF** condition warrants, determine analysis of reactor core and containment conditions in regard to:

- Core sub-cooling
- Decay heat generation
- Heat removal capabilities (core and containment)
- Fission product release potential (core and containment).

_____ **IF** condition warrants, provide:

- Estimates of core uncover times
- Interpretations of reactor water level data.

_____ Monitor status of Emergency Operations Procedures (EOPs) and discuss with Accident Assessment Manager.

_____ Confer with Radiological Assessment group in EOF.

_____ Consult with Operations Interface on anticipated course of events.

_____ Update status board in Accident Assessment room.

_____ Confer with Accident Assessment Manager on the following:

- Anticipated course of events
- Diagnosis of the accident and mitigation strategies
- Analysis of core and containment
- Core damage and fission product release potential
- Background information of system design
- Emergency classifications.

- _____ Support Engineering Manager in TSC in accident and mitigation strategies.
- _____ Assist TSC as an evaluator upon entry into Severe Accident Management Guidelines (SAMG) (as requested).
- _____ **IF** McGuire has entered SAMG, **REFER TO** Enclosure 6.20 (Establishing Communications Links between McGuire SAMG Evaluators).
- _____ Conduct turnover for on-coming shift, if needed.
- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

Catawba or McGuire Initial Information Request

Initial Information Request	Results
Emergency Classification Status	
EAL Declaration Chronology	
Protective Actions Status	
Reactor/Turbine Status	
Power Level	
Time of Trip & On What Signal	
Any Abnormal Response	
NC Pump Status	
Core Cooling Status (subcooled margin/ RVLIS/natural circulation)	
Orange or Red CSFs Alarms Received	
Safety Injection	
When Actuated & on What Signal	
NV, NI, ND, Ice Condenser Status	
Feedwater	
CF and CA Status	
Main Steam	
Isolation Status	
SMSV, SM PORV, SB Status	
Electric Power	
600V, 4160V, D/G Status	
Containment	
Isolation Status	
NS and VX Status	
Security/Fire/Flooding/HAZMAT/Other Hazards	
Plant Conditions Status	
Off-site Releases	
Status	

Accident Assessment Interface Checklist

Oconee Initial Information Request

Initial Information Request	Results
Emergency Classification Status	
EAL Declaration Chronology	
Protective Actions Status	
Reactor/Turbine Status	
Power Level	
Time of Trip & On What Signal	
Any Abnormal Response	
Reactor Coolant Pump Status	
Core Cooling Status (subcooled margin/ RVLIS/natural circulation)	
Safety Injection	
When Actuated & on What Signal	
HPI, LPI Status	
Feedwater	
Feedwater and Emergency Feedwater Status	
Main Steam	
Isolation Status	
MSSV Status	
Electric Power	
600V, 4160V, Keowee, Lee Status	
Containment	
Isolation Status	
RBS, RBCU Status	
Security/Fire/Flooding/HAZMAT/Other Hazards	
Plant Conditions Status (Keowee Hydro Dam status)	
Off-site Releases	
Status	

Enclosure 6.14
Operations Interface Checklist

SR/0/A/2000/003
Page 1 of 1

INITIAL

NOTE: This enclosure does not apply to Oconee.

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.
- _____ Don position badge.
- _____ Sign in on EOF staffing board.
- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.
- _____ Perform following steps as needed throughout event:
 - _____ Provide communications interface between Accident Assessment Group and TSC Operations Group.
 - _____ Advise Accident Assessment Group on the following:
 - Emergency Operations Procedures (EOPs)
 - Diagnosis of accident and mitigation strategies
 - Emergency classification.
 - _____ Advise TSC of anticipated course of events.
- _____ Conduct turnover for on-coming shift, if needed.
- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____

PRINTED NAME _____

Enclosure 6.15
Reactor Physics Checklist

SR/0/A/2000/003
Page 1 of 1

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

- _____ Don position badge.

- _____ Sign in on EOF staffing board.

- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.

- _____ Obtain any applicable nuclear design calculations from Nuclear Engineering office area.

- _____ Establish communications with TSC Reactor Engineer.

- _____ **IF** conditions warrant, determine analysis of reactor core and fuel with respect to:
 - Reactor Physics parameters
 - Core subcriticality.

- _____ Provide Accident Assessment Manager with information concerning any abnormal core conditions.

- _____ Conduct turnover for on-coming shift, if needed.

- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____

PRINTED NAME _____

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 1 of 13

INITIAL

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

- _____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.
- _____ Don position badge.
- _____ Sign in on EOF staffing board.
- _____ Establish log of activities sufficient to conduct turnover for on-coming shift.
- _____ Log in to Emergency Planner computer.
- _____ (MNS and CNS only) Obtain Emergency Planner wireless phone and headset from Emergency Planner Desk area and access EP bridge line, 9-803-701-4010.

NOTE: Have on hand all emergency notification forms (ENFs) transmitted to state and local agencies up to this time. Be prepared to answer questions concerning information on the ENFs as well as any other information requested by ECOC Director when called back. {21}

- _____ Contact the Enterprise Crisis Operations Center (ECOC) Director by email at ECOCDirectors@duke-energy.com **OR** by phoning the Enterprise Security Console at 2-8851 or 9-1-800-943-7584, ask them to contact the ECOC Director about the EOF activation, and provide your call back number. {IER L1-13-10} {77}

NOTE: Personnel without badge access will need to be escorted into the EOF by the Assistant EOF Director, EOF Emergency Planner, EOF Services Manager, or their Mentor. {61}

- _____ Support EOF Director with the following:
 - _____ Provide escorted access to EOF for personnel without badge access. {61}
 - _____ Document names of personnel escorted in log. {73}
 - _____ Complete EOF Director Checklist items as requested.
 - _____ Clarify Emergency Plan and Emergency Plan Implementing Procedure information.
 - _____ Interface with federal, state and local agencies.
- _____ Assist Off-Site Agency Communicators in preparation of emergency notifications.

INITIALS _____

PRINTED NAME _____

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 2 of 13

- _____ **IF** a security event at MNS requires assembling MNS TSC/OSC ERO at EOF, complete "MNS Security Event, TSC/OSC Assembled at EOF Checklist," page 11 of 13 of this enclosure.

- _____ **IF** a Beyond Design Basis External Event (BDBEE) or Extended Loss of Offsite AC Power (ELAP) event at MNS requires assembling TSC/OSC ERO at the EOF, complete "MNS BDBEE/ELAP, TSC/OSC Assembled at EOF Checklist," page 11 of 13 of this enclosure. {76}

- _____ **IF** a security event at CNS requires assembling the duty CNS TSC ERO at the EOF, complete "CNS Security Event, TSC ERO Assembled at EOF Checklist," page 12 of 13 of this enclosure. {41}

NOTE: 1. EOF Duty Roster is available on DAE using Nuclear Generation Duty Roster application. EOF information is under General Office location. {51}

2. Consider hours previously worked prior to ERO activation in determining shift turnover schedules for 24-hour staffing. {69}

- _____ Complete 24-Hour Staffing Log for each EOF position, pages 4 through 9 of this enclosure.

- _____ Ensure that 24-hour staffing plans are established and maintained for all EOF positions for the duration of the entire emergency. {IER L1-13-10}

- _____ **IF** EPZ roadblocks have been established, prepare for emergency worker re-entry using page 12 of this enclosure.

- _____ Verify Public Affairs personnel have considered 24-hour staffing by calling the JIC Admin. Manager at 2-0548.

- _____ Record EOF Exercise/Drill/Event Duke Energy employee participation as follows:
 - IF** scheduled drill, activate eRoster program and scan **OR** enter Duke Energy employee ID number.

 - IF** not a scheduled drill **OR** scanner-inoperable, request participants sign Exercise/Drill/Event/Training Attendance Sheet. {61}

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 3 of 13

- _____ Request Duke Energy participants sign Drill and Event Participation Roster (AD-EP-ALL-0802, Conducting Drills and Exercises, Attachment 4, Drill and Event Participation Roster). {61}

- _____ Conduct turnover for on-coming shift, if needed.

- _____ Upon deactivation of the EOF, forward a copy of the Drill and Event Participation Roster (AD-EP-ALL-0802, Conducting Drills and Exercises, Attachment 4, Drill and Event Participation Roster) to each DEC site's Emergency Preparedness Manager.

- _____ Upon deactivation of EOF, collect all completed paperwork and forward to appropriate Emergency Preparedness Manager.

- _____ Upon deactivation of EOF, complete "EOF Post Event Checklist," page 10 of this enclosure.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 4 of 13

EOF DIRECTOR AREA

24-HOUR POSITION EOF STAFFING LOG {33}

Position	Primary		Relief	
	Name	*Shift Schedule	Name	*Shift Schedule
EOF Director				
Assistant EOF Director				
EOF Log Recorder				
EOF Emergency Planner				
Radiological Assessment Manager				
Accident Assessment Manager				

* List hours of coverage: i.e., 0800-2000, or 8am -8pm.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 5 of 13

DOSE ASSESSMENT AREA
24-HOUR POSITION EOF STAFFING LOG

Position	Primary		Relief	
	Name	*Shift Schedule	Name	*Shift Schedule
EOF Dose Assessor				
EOF Dose Assessor				
EOF Dose Assessor				
EOF Dose Assessor (HPN)				
Field Monitoring Coordinator				
Radio Operator				

* List hours of coverage: i.e., 0800-2000, or 8am -8pm.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 6 of 13

ACCIDENT ASSESSMENT AREA

24-HOUR POSITION EOF STAFFING LOG

Position	Primary		Relief	
	Name	*Shift Schedule	Name	*Shift Schedule
Accident Assessment Interface				
Reactor Physics (As Needed)				
Operations Interface (MNS and CNS only)				

* List hours of coverage: i.e., 0800-2000, or 8am -8pm.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 7 of 13

OFFSITE AGENCY COMMUNICATOR
24-HOUR POSITION EOF STAFFING LOG

Position	Primary		Relief	
	Name	*Shift Schedule	Name	*Shift Schedule
Lead EOF Off-Site Agency Communicator				
EOF Off-Site Agency Communicator				
EOF Off-Site Agency Communicator				

* List hours of coverage: i.e., 0800-2000, or 8am -8pm.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 8 of 13

EOF SERVICES AREA

24-HOUR POSITION EOF STAFFING LOG

Position	Primary		Relief	
	Name	*Shift Schedule	Name	*Shift Schedule
EOF Services Manager				
EOF Services Admin/Commissary				
EOF Data Coordinator				

* List hours of coverage: i.e., 0800-2000, or 8am -8pm.

EOF FACILITY POST EVENT CHECKLIST

_____ Obtain copy of TSC/EOF Log Printout.

_____ Retrieve:

- Completed Procedures
- Notes
- Log Sheets

_____ Turn off:

- Video monitors
- Projectors

NOTE: EOF Services completes Enclosures 13.4 and 13.5 from procedure ST/0/A/4600/086.

- _____ Complete applicable enclosures of ST/0/A/4600/086 to replenish procedure inventories
- _____ Clean tables off
- _____ Put all trash in containers
- _____ Erase status boards
- _____ Verify all Fax machines have paper supply replenished
- _____ Verify all printers have paper supply replenished.
- _____ Verify cordless phones are left in cradles to be charged.

Replenish Position Specific Notebooks (1 copy of procedure body and minimum 3 copies of applicable enclosures, checklists and log sheets):

- _____ EOF Director (also include minimum 3 copies each of Enclosure 6.2, 6.3 and 6.4)
- _____ Radiological Assessment Manager (also include minimum 3 copies each of Enclosures 6.2, 6.3, and 6.4). {24}
- _____ EOF Dose Assessor
- _____ Field Monitoring Coordinator
- _____ Radio Operator
- _____ EOF Offsite Agency Communicator (also include 1 copy of EP FAM 3.15 Attachment 3.15.3.3)

- _____ Accident Assessment Manager (also include minimum 3 copies each of Enclosures 6.2, 6.3, and 6.4). {24}
- _____ Accident Assessment Interface
- _____ EOF Operations Interface
- _____ Reactor Physics
- _____ EOF Emergency Planner
- _____ EOF Log Recorder (also include 1 copy of EP FAM 3.15 Attachment 3.15.3.2)
- _____ EOF Data Coordinator
- _____ EOF Services Manager

MNS SECURITY EVENT, TSC/OSC ASSEMBLED AT EOF CHECKLIST

- _____ Notify Energy Center Building Security, 2-1234, that TSC/OSC offsite responders are assembling at EOF. {61}
- _____ Request that TSC/OSC responders assemble in EOF break area.
- _____ Coordinate selection of first response team that will activate TSC/OSC when Security Event is terminated.
- _____ Move first response team into EOF work area to obtain plant status and recovery strategies.
- _____ **IF** needed, obtain copies of RP/0/A/5700/012, Activation of the Technical Support Center, (TSC) and RP/0/A/5700/020, Activation of the Operations Support Center (OSC), from the McGuire procedure cabinet.
- _____ Determine 24-hour staffing for each TSC/OSC position.
- _____ **IF** EOF break area is too crowded, determine whether to send TSC/OSC relief members to Energy Center Cafeteria.
- _____ **WHEN** Security Event is terminated and onsite TSC/OSC is to be activated, ensure that first response team to TSC/OSC is briefed prior to dispatch to site.
- _____ Send relief TSC/OSC members home, if possible, with their assigned relief time.

MNS BDBEE/ELAP EVENT, TSC/OSC ASSEMBLED AT EOF CHECKLIST {76}

- _____ Notify Energy Center Building Security at 2-1234 that TSC/OSC offsite responders are assembling at EOF.
- _____ Request that TSC/OSC responders assemble in EOF break area.
- _____ Assist TSC Emergency Planner in establishing priorities for transport of MNS ERO personnel to the site.
- _____ Assist TSC Emergency Planner in determining 24-hour staffing for each TSC/OSC and alternate TSC/OSC position.
- _____ **IF** needed, obtain copies of RP/0/A/5700/012, Activation of the Technical Support Center, (TSC) and RP/0/A/5700/020, Activation of the Operations Support Center (OSC), from the McGuire procedure cabinet.
- _____ **IF** EOF break area is too crowded, determine whether to send TSC/OSC relief members to Energy Center Cafeteria.

Enclosure 6.16
Emergency Planner Checklist

SR/0/A/2000/003
Page 12 of 13

CNS SECURITY EVENT, TSC ERO ASSEMBLED AT EOF CHECKLIST

- _____ Notify Energy Center Building Security, 2-1234, that CNS TSC duty responders are assembling at EOF. {61}

- _____ Have CNS TSC responders assemble in EOF break area.

- _____ Obtain RP/0/A/5000/020 Enclosure 4.20 from CNS procedure cabinet and distribute to assembled TSC ERO.

- _____ **IF** CNS TSC Emergency Planner does not respond within 75 minutes of declaration, assist Assistant TSC Emergency Coordinator with assigned tasks.

- _____ **WHEN** decision is made to access Catawba and staff the TSC and OSC, ensure choice of facility (normal or alternate) TSC and OSC is known prior to TSC staff departure. {41}

EMERGENCY WORKER/SPECIAL EQUIPMENT RE-ENTRY AFTER ROAD BLOCKS ARE
ESTABLISHED IN THE EPZ

NOTE: TSC Emergency Planner is to work with RP to determine if off going shift will need to leave their personnel vehicles onsite and leave in the relief bus.

- 1.0 **IF** roadblocks are in place in 10 mile EPZ **AND** affected site's Emergency Planner has asked the EOF to prepare for emergency worker re-entry for on site relief, perform the following:
 - 1.1 Request EOF Services Manager obtain bus(es) to be used for re-entry of relief workers.
 - 1.2 Coordinate with TSC Emergency Planner to verify re-entry path to be used, working with Field Monitoring Coordinator and Radiological Assessment Manager to ensure the path selected avoids the plume foot print.
 - 1.3 Coordinate with State representative at EOF to contact re-entry county EOC to obtain Highway Patrol escorts for bus.
 - 1.4 Ensure State representative requests county EOC to notify roadblock selected for re-entry with Estimated Time of Arrival for the bus(es) with Highway Patrol escort.
- 2.0 **IF** roadblocks are **NOT** established, inform TSC Emergency Planner access will be normal.
- 3.0 **IF** roadblocks are in place when special equipment is to be brought to plant, use process in step 1.0 for equipment to pass through roadblock.

Enclosure 6.17
EOF Log Recorder Checklist

SR/0/A/2000/003
Page 1 of 3

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

INITIAL

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

NOTE: On the Log Recorder's PC, the PC Screen is Screen 2. The left projector is Screen 1 and the right projector is Screen 3.

_____ Ensure PC is on.

_____ Ensure Projectors are powered up.

_____ Refer to EP FAM Section 3.15, Attachment 3.15.3.2, for WebEOC Logging instructions.

NOTE: Applications viewed on the three main display screens in the EOF can be controlled by the Log Recorder's PC. The Log Recorder's PC normally controls the left and right projectors only; the Communicator's PC normally controls the center projector. The Log Recorder's PC is designated as Computer 1 and the Communicator's PC is designated as Computer 2.

_____ Setup EOF Director's Area displays as follows:

- **Left Projector** - Facility Log (Remains on Comp 1, PC Screen 1)
 - **Center Projector** - Swap projector to Comp 2 (Communicator's Notification Form)
 - **Right Projector** - SDS (Remains on Comp 1, PC Screen 3)
- Launch application from DAE. Application will launch on Log Recorder's monitor.
 - If application opens full screen, click Restore Down button, located to the right of the minimize button.
 - Click top of application screen and hold left mouse button down.
 - Drag application to desired screen.
 - Maximize application.

INITIALS _____

PRINTED NAME _____

Enclosure 6.17
EOF Log Recorder Checklist

SR/0/A/2000/003
Page 2 of 3

- NOTE:**
1. Incorrect log entries may be corrected by making the needed correction for the specific entry and flagging it as a "corrected item".
 2. The EOF Log Recorder should enter EOF specific information and other information as directed by the EOF Director or Assistant EOF Director.
 3. Log activities must be detailed enough to "tell the story" if necessary to reconstruct events for the NRC and to have an effective turnover to EOF staff.

_____ Establish official log of all significant EOF activities and EOF Director decisions using WebEOC computer program sufficient to conduct turnover for the on-coming shift.

_____ Log entries should include, but are not limited to, the following examples:

- EOF Director and any change in EOF Director (staffing)
- Time of EOF activation
- Emergency classification, changes in classification, time of declaration
- Protective Action Recommendations
- Approval/transmittal of Emergency Notification Forms
- Approval/distribution of News Releases
- Plant Conditions (Unit 1, 2, and 3):
 - Core Cooling information (i.e., Time To Boiling, etc.)
 - Safety Systems Degraded
 - Power Supply Status
 - Fission Product Barrier Degradation
 - Radiation Releases.
- Procedures in effect and any transition to another procedure
- Actions taken that are not part of an approved procedure
- Any abnormal or unexpected plant response
- Major equipment manipulations
- Major mitigation actions taken
- Site assembly, relocation, or evacuation of all or any part of the plant
- Personnel Injuries
- Facility priorities
- Recovery Action(s) in Progress
- Summary of facilities briefings
- Expected time of next Time-Out
- Any parameter that shows how drill/event is managed (ex. releases, time, communication)

_____ **IF** WebEOC computer program is not available, establish manual log of all significant EOF activities and EOF Director decisions.

EOF Log Recorder Checklist

- _____ **IF** requested by EOF Director, prepare sequence of events list and revise it as necessary.
- _____ Maintain EOF Director's Area displays and status boards as directed or needed.
- _____ Record established priorities on EOF status board as requested by EOF Director.
- _____ Conduct turnover for on-coming shift, if needed.
- _____ Print copy of TSC/EOF Log Printout.
- _____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

EOF Data Coordinator Checklist

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

INITIAL

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

_____ Establish log of activities sufficient to conduct turnover for on-coming shift.

_____ Verify EOF computer hardware, software, and data display equipment is operational per EP FAM 3.8, EOF Data Coordinator's Reference Manual.

_____ Provide computer support as required:

- Software and hardware applications support
- Data acquisition support
- Communication with TSC Data Coordinator

_____ **IF** another site declares an emergency requiring activation of the EOF for support, obtain three additional computers (laptop or PC) within one hour for use by Accident Assessment Manager, Radiological Assessment Manager, and Offsite Agency Communicators. {62}.

_____ Conduct turnover for on-coming shift, if needed.

_____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

INITIALS _____

PRINTED NAME _____

EOF Services Manager Checklist

NOTE: Steps in this checklist may be performed in any order appropriate to the specific event conditions or they may be omitted if not applicable.

INITIAL

_____ **IF** reporting to EOF outside your normal work hours, complete a Fitness for Duty Questionnaire.

_____ Don position badge.

_____ Sign in on EOF staffing board.

_____ Activate the EOF Services Function by establishing duty function contacts for EOF service areas and post in EOF Service area:

- Administration/Commissary
- Communications (24-hour number is 2-1961)
- Transportation Services
- Risk Management and Insurance
- Procurement

_____ Establish log of activities sufficient to conduct turnover for on-coming shift.

_____ Provide general administrative support and office supplies.

_____ Ensure office equipment is functioning properly.

NOTE: Personnel without badge access will need to be escorted into the EOF by the Assistant EOF Director, EOF Emergency Planner, EOF Services Manager, or their Mentor. {61}

_____ **IF** needed, provide escorted access to EOF for personnel without badge access, and document names of personnel escorted in log. {62, 73}

_____ Provide food and beverages to meet nutritional needs.

_____ Provide facilities to meet personal needs (dining facilities, toilets, trash receptacles and disposal) as required.

INITIALS _____

PRINTED NAME _____

- NOTE:**
1. The INPO phone number may be obtained from the Consolidated Emergency Phone Directory for the Emergency Operations Facility (EOF).
 2. The INPO Emergency Resources Manual provides a list of contacts at each US commercial nuclear power site, and an emergency equipment list. The INPO Emergency Resources Manual can be found on the INPO Website or the bookcase in the EOF Director's Area.

_____ **IF** needed, perform the following:

- Request Communications to troubleshoot and repair telephone systems, mobile radios and cell phones.
- Request Transportation Services or others arrange for necessary equipment for movement of materials and personnel.
- Request Transportation Services or others to arrange necessary equipment and personnel for debris removal in order to access the DEC nuclear sites. {IER L1-11-14}
- Obtain accommodations for personnel.
- Request Risk Management and Insurance serve as liaison between Duke Energy and insurance companies in gathering data and establishing claims offices to disburse emergency assistance funds to evacuees.
- Request Procurement coordinate all activities related to the purchase of materials, equipment and services from outside supplies including arranging for transportation and receiving as required.
- Contact INPO for additional resources (human resources, emergency equipment, technical expertise). {75}{IER L1-13-10}
- **IF** a Beyond Design Basis External Event (BDBEE)/Extended Loss of Offsite AC Power (ELAP) event at MNS, request Transportation Services implement the MNS BDBEE/ELAP ERO Transportation Plan insert to the Fleet Storm EOF Manual. {76}

_____ **IF** 24-hour staffing is required,

- Notify additional personnel and arrange schedule for continuous support.
- Conduct turnover for on-coming shift.

_____ Ensure that all trash and left over food products are properly contained and arrange for disposal.

_____ Notify Facility Services to clean the EOF following deactivation.

_____ Obtain Procedure ST/0/A/4600/086, Standard Procedure for Periodic Verification of Communication Equipment Operation and Equipment/Supply Inventory, Enclosures 13.4 and 13.5 and complete checklists.

_____ Provide all completed paperwork to Emergency Preparedness upon deactivation of EOF.

_____ Notify duty functions contacts advising that the drill/event has been terminated.

EOF Services Manager Checklist

_____ **IF** needed, perform the following:

- Request Communications secure radio base stations.
- Request Communications return portable communications equipment to storage locations.
- Request Procurement transfer information on outstanding requisitions to normal procurement contacts.
- Request Transportation Services return relocated equipment to original location.
- Request Transportation Services provide transportation home for ERO personnel.
- Request Risk Management and Insurance notify insurance companies of change in drill/event status.

**ESTABLISHING COMMUNICATIONS
LINKS BETWEEN MCGUIRE SAMG
EVALUATORS**

INITIAL

NOTE: Operations Procedure Support in the TSC will serve as the lead SAMG evaluator and will be assisted by Reactor Engineer and Systems Engineer in the TSC, as well as Accident Assessment Interface in the EOF. OPS Procedure Support is expected to **direct** the other evaluators in what they should be looking at strategically, **plus** ensure that SAEG-1 is completed appropriately as directed by the guidelines.

_____ **ESTABLISH** communications links between the SAMG evaluators (TSC OPS Procedure Support, TSC Reactor Engineer, TSC System Engineering Manager, and EOF Accident Assessment Interface) by dialing RP spare bridge 9-980-875-4833 (6-party bridge line).

_____ **EVALUATE** using an alternate bridge line listed below if for some reason the RP spare bridge is unavailable or if other communications links are desired or needed. Dial the number listed as desired to determine if that bridge is currently being used. If the desired bridge line is not being used, then the appropriate parties may dial in to use it.

EP Controller bridge (12 - party) 9-980-875-4575

McGuire site bridge (6 - party) 9-980-875-3030

McGuire site bridge (6 - party) 9-980-875-3200

INITIALS _____

PRINTED NAME _____

1. Recovery Guidelines

The Recovery Manager shall be responsible for the following:

- 1.1 Initiate RP/0/B/1000/027, Reentry Recovery Procedure.
- 1.2 Announce as follows:

"Agreement has been reached between Duke Energy, the State of South Carolina and the NRC that the General Emergency classification is terminated. Recovery Operations are being initiated at the site. Actions are underway to determine when people who have been evacuated from their homes can return. As this information is made available, it will be released to the public."

NOTE: The offsite recovery organization will stay at the EOF and work with the counties and state if radiological Conditions exist beyond the ONS site boundary. The onsite recovery organization will be established by the Emergency Coordinator.

- 1.3 Establish Recovery Organization to handle offsite consequences.
- 1.4 Make the following assignments:
 - Recovery Manager _____
 - Radiological Assessment Manager _____
 - Field Monitoring Coordinator _____
 - Emergency Preparedness Manager _____
 - EOF Services Manager _____
- 1.5 Ensure staffing for long-term operation.

NOTE: Once recovery has been determined, the emergency notification message forms are no longer used.

- 1.6 Confer with SEMD (State Emergency Management Director) regarding work in progress at EOF and determine communication channels and notifications expected.

INITIALS _____

PRINTED NAME _____

Enclosure 6.21
Oconee Recovery

SR/0/A/2000/003
Page 2 of 2

- 1.7 Consult with each manager regarding activities in progress.
 - 1.7.1 Radiological Assessment Responsibilities
 - Provide ingestion pathway dose assessments
 - Provide ongoing communications with DHEC Nuclear Emergency Preparedness
 - Evaluate environmental concentrations within the radiological footprint
 - Provide technical assistance to Joint Information Center
 - Help plan for reactor building purge as needed
 - 1.7.2 Emergency Preparedness Responsibilities
 - Communications to the State and County Management Directors
 - 1.7.3. EOF Services Manager Responsibilities
 - Ensure ANI (insurance) is set up for public inquiry
 - Provide services as required
 - 1.7.4. Joint Information Center Responsibilities
 - Providing news releases
 - Work with media/public to reduce rumors
 - Monitoring information being released by news media
- 1.8 Maintain Emergency Operations Facility activated and staffed until consensus is reached by Duke Energy and State of South Carolina there is no basis for continuous staffing.
 - 1.8.1 Record time and date that Emergency Operations Facility/Joint Information Center were closed.
 - A. EOF/JIC Closed _____
Time/Date

**Keowee Hydro Project Dams/Dikes
Condition A/B Descriptions**

- NOTE:**
- Duke Energy Hydro Group personnel are responsible for evaluation/inspection of Keowee Hydro Project Dams/Dikes **AND** determining if a Condition A or B exists.
 - Duke Energy Hydro Group personnel will communicate the results of evaluations/inspections to the Keowee Hydro Operator. The Keowee Hydro Operator will notify the OSM.

1. 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 Energy Hydro-Electric Plant EAP)

INITIALS _____

PRINTED NAME _____

**Keowee Hydro Project Dams/Dikes
Condition A/B Descriptions**

2. 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. The potentially hazardous situation may allow days or weeks for response and time to take remedial action. (Duke Energy Hydro-Electric Plant EAP)

The following situations will result in a Condition B determination/declaration:

- Reservoir elevation at Keowee Hydro Station is ≥ 805.0 ft msl with all spillway gates open and lake elevation continuing to rise.
- Situations involving earth dam or abutments as follows:
 - a) Large increase or decrease in seepage readings OR seepage water is carrying a significant amount of soil particles;
 - b) New area of seepage or wetness, with large amounts of seepage water observed on dam, dam toe, or the abutments;
 - c) A slide or other movement of the dam or abutments which could develop into a failure.
- Developing failure involving the powerhouse or appurtenance structures is highly irregular to the point where the operator feels safety of the structures is questionable.
- Developing failure involving the concrete spillway or bulkhead is unusual and the safety of the structure is questionable.
- Any other situation involving plant structures which shows the potential for a developing failure.

_____ **IF** conditions **DO NOT** allow for a controlled relocation of the facility, perform immediate actions to protect personnel.

- A. Notify personnel to re-assemble
 - Mint Street Parking Deck (Primary)
 - Firebird Statue in front of Bechtler Museum (Alternate) {80}

- B. Notify the TSC Emergency Coordinator of actions taken
 - Catawba 803-701-5870
 - McGuire 980-875-4950
 - Oconee 864-873-3921 {80}

_____ **IF** conditions allow for a controlled relocation of the facility, determine alternate EOF location:

- Catawba Event - McGuire Alternate TSC
- McGuire Event - Catawba Alternate TSC
- Oconee Event - Catawba Alternate TSC

_____ Request EOF Emergency Planner to obtain the following:

- 24-Hour Position EOF Staffing Log
- EOF Business Continuity Plan
- Catawba, McGuire, and Oconee Emergency Telephone Directories
- ERO Member Contact Information notebook {74}

_____ Announce to EOF personnel to exit EOF and move to assembly area with all their procedures and paperwork.

- Mint Street Parking Deck (Primary)
- Firebird Statue in front of Bechtler Museum (Alternate){80}

_____ Consider the need to escort NRC and offsite agency personnel from EOF to alternate EOF. {74}

_____ Turn over command and control of event to TSC Emergency Coordinator.

- Notify TSC Emergency Coordinator that EOF is evacuating due to (state reason)
 - Catawba 803-701-5870
 - McGuire 980-875-4950
 - Oconee 864-873-3921 {80}
- Provide TSC Emergency Coordinator current emergency classification and EAL number, current Protective Action Recommendations, and status of Emergency Notifications: Message number _____ due at _____

_____ Request the EOF Emergency Planner call the TSC Emergency Planner to request he call the unaffected site's control room and make them aware of the EOF relocation. {74}

NOTE: The following actions are taken after exiting the EOF.

- _____ Request leads in each EOF functional area perform accountability of EOF personnel using 24 hour EOF Position Staffing Log. {80}
- _____ Consult with Enterprise Security console personnel at 704-382-1234 to determine expected duration of EOF evacuation.
- _____ **IF** expected duration of evacuation is greater than 2 hours or unknown, perform the following:
 - Direct EOF Personnel to report to the Alternate EOF Location
 - Catawba Alternate TSC
Catawba Nuclear Station Administration Building (Building 7720)
4800 Concord Road
York, SC 29745-9635
 - McGuire Alternate TSC
McGuire Nuclear Station Administration Building (Building 7438)
12700 Hagers Ferry Road
Huntersville, NC 28078-9340 {80}
 - Inform the TSC Emergency Coordinator that EOF is relocating to Alternate EOF Location
 - Request TSC notify NRC of EOF relocation
- _____ Direct EOF Emergency Planner to conduct actions required by EOF Business Continuity Plan.
- _____ Return to Enclosure 6.1 of this procedure after reporting to Alternate EOF.

NOTE: Items listed here are suggested topics for routine update briefings (not all topics need be addressed at each briefing). Items actually selected should be based on existing or projected plant conditions and current priorities.

Attributes of Excellent Briefings	
<ul style="list-style-type: none"> • 5-10 minutes duration • Brief for status, not to solve problems • Crisp, focused and well controlled 	<ul style="list-style-type: none"> • Speak to be heard (use PA if needed) • Repeat back required actions • ALL personnel are attentive
<p>1. EOF Director (open and lead briefing)</p> <ul style="list-style-type: none"> • Pre-announce -- 5 minute warning brief is about to occur • Start Briefing by stating "Attention in the EOF," observe participants to confirm they are ready • Overview of emergency conditions • Station priorities • Offsite actions being taken • NRC activities related to emergency <p>Notes: _____</p>	
<p>2. Assistant EOF Director</p> <ul style="list-style-type: none"> • Facility staffing issues and status of additional support requested • Facility operations expectations (noise levels, procedure use, log keeping, etc.) • Status of offsite agency communications • Status of relief shift <p>Notes: _____</p>	
<p>3. Accident Assessment Manager</p> <ul style="list-style-type: none"> • Current Emergency Classification and EAL number/description • Key parameters/potential paths for Emergency Classification Upgrade • Reactor condition, core damage assessment. • Review of key plant conditions (power level, shutdown, trends) • Fission Product Barrier Status, trends, prognosis • Core Cooling System Status • Emergency/abnormal procedures entered or exited • Severe accident guideline status • Status of NRC Communications <p>Notes: _____</p>	

<p>4. Radiological Assessment Manager</p> <ul style="list-style-type: none">• Status of radiological release compared to EAL thresholds, dose projections, offsite radiological conditions, PARs.• Meteorological conditions• Field Monitoring Team reports• Radiation Protection problem areas being worked and/or needing resolution• Chemistry activities and results. (e.g. dose equivalent iodine, sample status) <p>Notes: _____</p>
<p>5. Emergency Planner</p> <ul style="list-style-type: none">• IF a security event is in progress, plant access restrictions, status of site security, offsite Local Law Enforcement Agencies assistance requested and/or provided• IF a medical emergency response (MERT) is in progress, number of victims, whether radiologically or chemically contaminated, offsite EMS response• IF a fire response is in progress, status of fire, offsite FD response• Status of site assembly and site evacuation <p>Notes: _____</p>
<p>6. Offsite Agency Communicator</p> <ul style="list-style-type: none">• Status of offsite agency communications and time next message due <p>Notes: _____</p>
<p>7. EOF Log Recorder</p> <ul style="list-style-type: none">• Items of interest from TSC Log• TSC Priorities <p>Notes: _____</p>
<p>8. Corporate Communications</p> <ul style="list-style-type: none">• Status of news releases and press conferences• Rumors being addressed• Internal/External notifications made (Duke Energy leadership team, ECOC, JIC, state government, INPO, ANI) <p>Notes: _____</p>
<p>9. EOF Director (close briefing)</p> <ul style="list-style-type: none">• IF offsite agencies representatives are present, provide them with opportunity to contribute to brief• IF the NRC is present, provide them with opportunity to contribute to brief• Ask if any others need to report "Important information"• Summarize priorities• Ask if there are any questions• State "END OF BRIEF"

Setup of Catawba Alternate EOF in McGuire Admin Bldg.

INITIAL

_____ **IF** cell phones with headsets can be obtained from McGuire TSC, take them to alternate EOF location (Administration Building layout on Page 3 of 3 of this enclosure).

_____ Locate assigned Administration Building area shown on the layout drawing on Page 3 of 3 of this enclosure

- NOTE:**
1. Alternate TSC phone sets are stored in the CRX Equipment Room, Room 112.
 2. The EOF Emergency Planner and EOF Data Coordinator can assist with phone and computer connections.
 3. **IF** a computer is needed, a computer that is not being used for another ERO function (e.g., Regulatory Compliance section, Business Management group, Human Resources group) may be used.
 4. **IF** access to the CBX equipment Room, Room 112, is needed prior to the arrival of the EOF Emergency Planner, a key to the door can be obtained from Security at the SAS.
 5. Printer paths for McGuire Nuclear Station Administration Building Mail Room Printers are MNADM106 and MNADMDP1.

_____ Set up assigned location as follows:

_____ • Obtain phone equipment necessary to conduct ERO function at assigned location and connect to wall and ceiling outlets.

_____ • **IF** a computer is needed, request help from EOF Data Coordinator.

_____ • **IF** necessary, obtain copies of position procedure enclosure from procedure SR/0/B/2000/003, Activation of the EOF, located in Emergency Preparedness Procedures cabinet.

_____ • **IF** printing capability is needed, setup printers using DAE Printer Selector Program.

INITIALS _____

PRINTED NAME _____

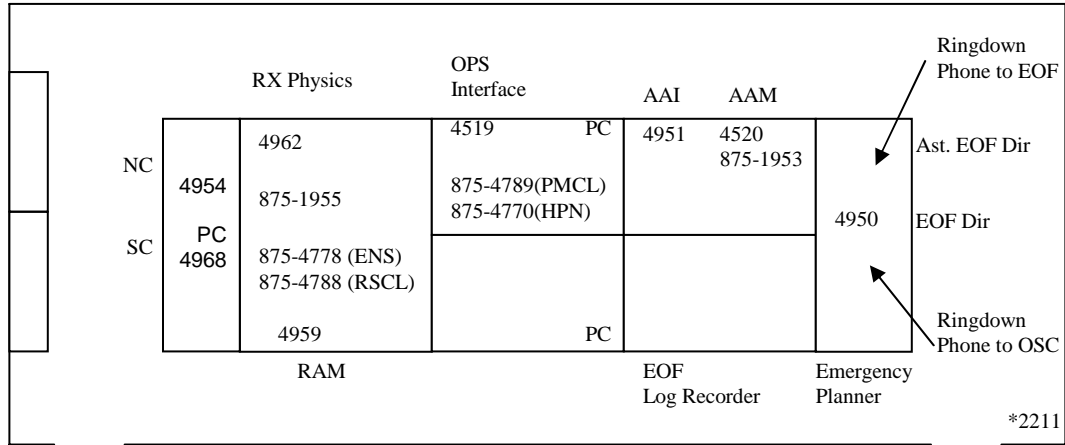
Setup of Catawba Alternate EOF in McGuire
Admin Bldg.

- _____ • **IF** copies of plant procedures are required, perform one of the following:
 - For Emergency Plan Implementing Procedures (RPs, SHs, and SRs), make copy from Control Copy located in Emergency Preparedness Procedures cabinet.
 - For all other procedures, print a copy from NEDL Portal on DAE using McGuire Admin Building Mail Room printer MNADM106 or MNADM106.

- _____ • Assume or continue ERO role according to procedure SR/0/B/2000/003, Activation of the EOF.

Setup of Catawba Alternate EOF in McGuire Admin Bldg.

(Executive Board Room 111, Admin. Building)



Other EOF Position Locations

- Others (EP Room 114) - *4458, *4977, *875-1951.
- Offsite Communicator (EP Room 115B -- *4970, *SSN 315, *Radio, *875-1951.
- Data Coordinator (CBX Equipment Room 112) -- *4999.
- Dose Assessor (SCR Room 100D) -- *4405.
- Offsite Monitoring (McGuire TSC) *4969, *4976
- Public Affairs (Rooms 118 and 141) -- *4400, *4402, *4233.
- NRC (NRC Office, Room 126) -- *875-1681.
- Other, use Jaguar Room as needed (Room 144, EOF Services Mgr.) -- *4826.

Office Equipment

- FAX (Mail Room, Room 116) -- *875-4506.
- FAX (EP Room 114) -- *875-4382.
- Copier (Mail Room, Room 116).
- Copier (SA Room 170).
- CBX (CBX Office in Admin. Building Lobby).

* Indicates existing phones. All others are to be plugged in when the Alternate TSC is activated.

**Setup of McGuire or Oconee Alternate EOF in
Catawba Admin Bldg.**

INITIAL

_____ **IF** cell phones with headsets can be obtained from Catawba TSC, take them to alternate EOF location (Administration Building layout on Page 2 of 3 of this enclosure).

_____ Locate assigned Administration Building area shown on the layout drawing on Page 2 of 3 of this enclosure

- NOTE:**
1. The EOF Emergency Planner and EOF Data Coordinator can assist with computer connections.
 2. **IF** a computer is needed, a computer that is not being used for another ERO function (e.g., Regulatory Compliance section, Performance Improvement Team, Human Resources group) may be used.
 3. Printer paths for Catawba Nuclear Station Administration Building Printers are CNSADM2 for Copier Room (Room 143) and CNADM127 for Room 127.

_____ Set up assigned location as follows:

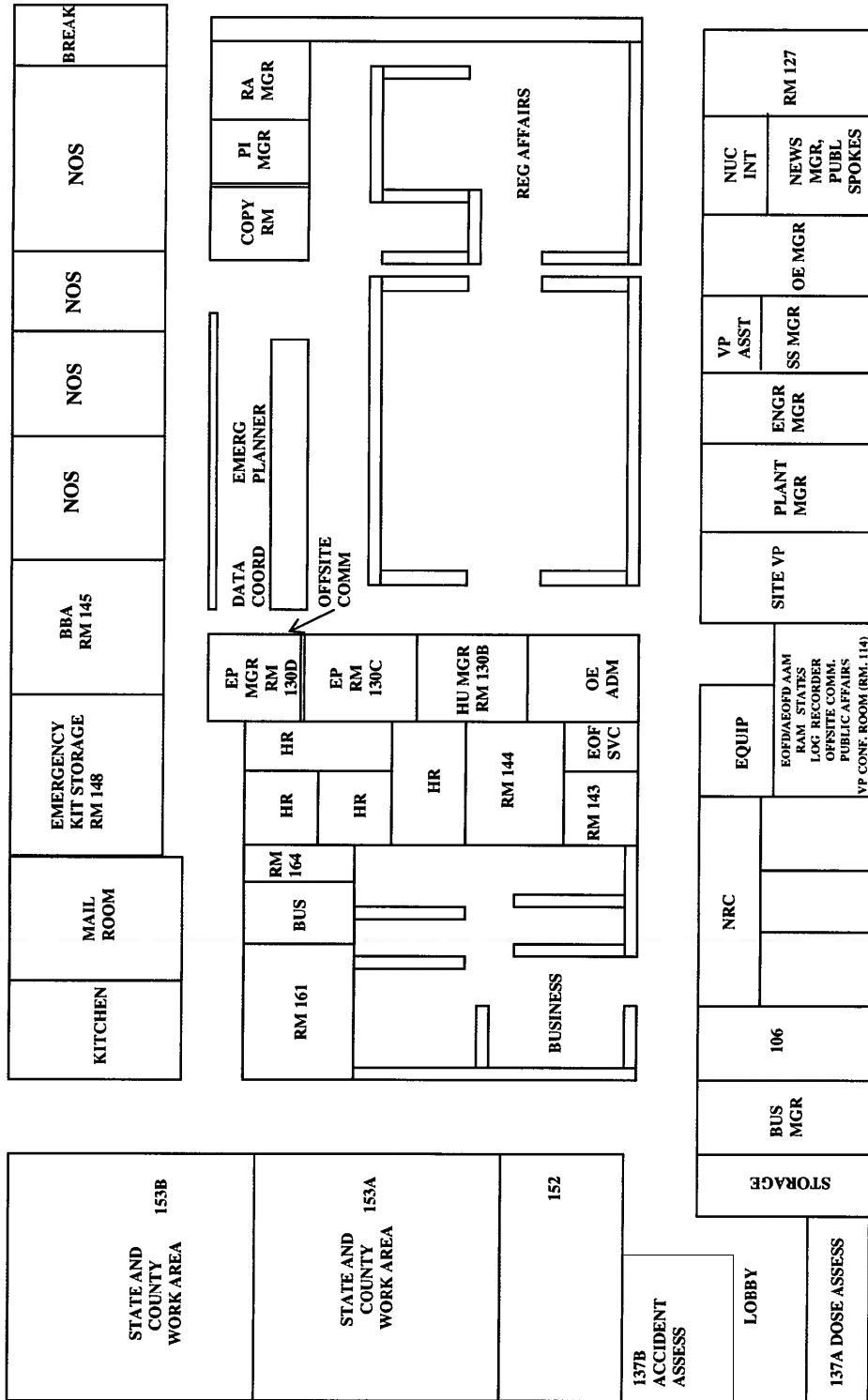
- _____ • **IF** a computer is needed, request help from EOF Data Coordinator.
- _____ • **IF** necessary, obtain copies of position procedure enclosure from procedure SR/0/B/2000/003, Activation of the EOF, located in Emergency Preparedness procedures cabinet.
- _____ • **IF** printing capability is needed, setup printers using DAE Printer Selector Program.
- _____ • **IF** copies of plant procedures are required, perform one of the following:
 - For Emergency Plan Implementing Procedures (RPs, SHs, and SRs), make copy from Control Copy located in Emergency Preparedness Procedures cabinet.
 - For all other procedures, print a copy from NEDL Portal on DAE using Catawba Admin Building Mail Room printer CNSADM2.
- _____ • Assume or continue ERO role according to procedure SR/0/B/2000/003, Activation of the EOF.

INITIALS _____

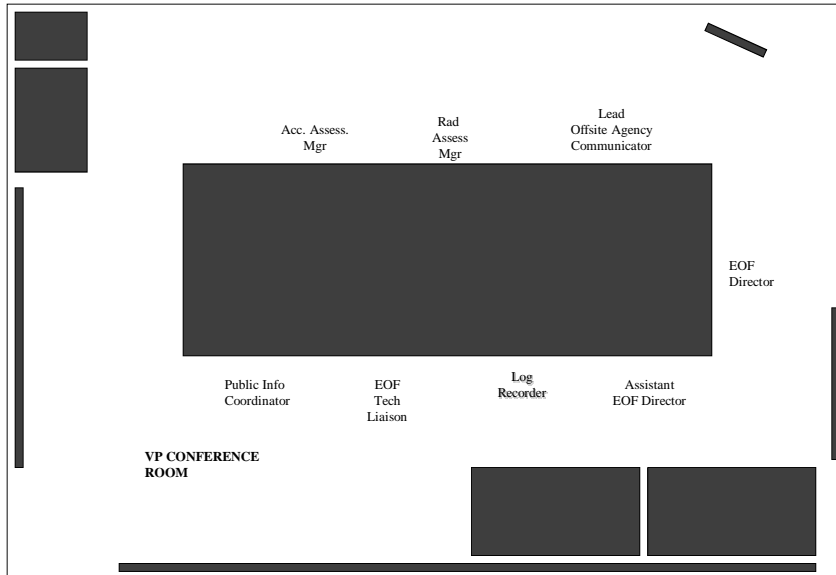
PRINTED NAME _____

Setup of McGuire or Oconee Alternate EOF in
Catawba Admin Bldg.

ALTERNATE EOF IN THE CNS ADMIN BLDG



Setup of McGuire or Oconee Alternate EOF in
Catawba Admin Bldg.



EOF Functional Areas:

VP Conference Room – Command & Control Center (EOF Director, Accident Assessment Manager, Rad Assessment Manager, Lead Offsite Agency Communicator, EOF Log Recorder, EOF Tech Liaison, Public Information Coordinator, State EM Representatives)

EP Manager's Office – Offsite Communicators

EP Cubes – Data Coordinator, EOF Emergency Planner

Touchdown Room 142 - EOF Services

PA Manager Office - News Manager, Public Spokesperson

Room 153 A/B - State and County Work Area

NRC Resident Inspector Offices - NRC Site Team

Room 137A - Dose Assessment

Room 137B - Accident Assessment

Catawba TSC (Not Shown) - Offsite Monitoring

A) Emergency Classification

Time Declared: _____ am/pm (Current Class)

Unusual Event Alert
Site Area Emergency General Emergency

EAL Descriptor Text: _____

Provide a brief summary of the event and mitigating actions in progress: _____

B) Fission Product Barrier Status

Fuel RCS CTMT

Intact:
Potential Loss:
Lost:

C) Plant Conditions

Mode 1 - Power Operations _____ %
Mode 2 - Startup
Mode 3 - Hot Standby
Mode 4 - Hot Shutdown
Mode 5 - Cold Shutdown
Mode 6 - Refueling

Time of shutdown: _____ am/pm

Stable Improving
Unstable Deteriorating

Briefly describe equipment, instrument or other problems: _____

D) Radiological Release

None or
Imminent Controlled
In Progress Uncontrolled
Terminated Start Time: ___ am/pm
Estimated Duration: _____

E) Onsite Protective Actions

None or
Site Assembly / Accountability
Local Area Evacuation
Protected Area Evacuated
Site Evacuated
Offsite Assembly
Emergency Exposures Authorized
Potassium Iodide Issued

F) Response Facilities Activated

None or
Technical Support Center
Operations Support Center
Emergency Operations Facility
Joint Information Center

G) Offsite Assistance Requested

None or
Medical _____ am/pm
Fire Department _____ am/pm
Law Enforcement _____ am/pm

H) Offsite Notifications

County INPO
State ANI
News Release

I) Protective Action Recommendations

None or
Evacuate: _____
Shelter: _____

J) Offsite Actions/Response

None issued, or:
Schools Recreation Areas
Other: _____

Evacuate: _____
Shelter: _____
Underway -- OR -- Completed

K) Additional Notes

NOTE: This briefing is intended to provide general information related to the event. More detailed information will be available from individual licensee counterparts.

Additional Discussion Items:

1. Personnel safety (as applicable)
 - a. Personnel accountability requirements
 - b. Radiation protection requirements
 - c. Industrial safety requirements
 - d. Protective equipment requirements
 - e. Reporting emergency situation (e.g., fire/medical)
2. Emergency evacuation
 - a. Location of exits
 - b. Location of emergency assembly areas
3. Personal comfort
 - a. Location of restrooms
 - b. Location of water, beverages, and food
 - c. Location of quiet area
4. Facility specific information
 - a. Prohibited activities (e.g., use of cell phones, cameras, cordless phones, etc.)
 - b. Facility telephones (how to call outside the facility, reserve phones, etc.)
 - c. Telephone numbers (e.g., response facility phone directory/phone listing)
 - d. Reference locations and access
 - e. Making photo copies
 - f. Sending/receiving facsimiles
 - g. Logistical assistance/support

Enclosure 6.28

Commitments for SR/0/A/2000/03

SR/0/A/2000/003

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- {1} PIP 0-M97-4210 NRC-1
- {2} PIP 0-M96-1645
- {3} PIP 2-C96-0273
- {4} PIP 0-C98-3123
- {5} PIP 0-M98-3522
- {6} PIP 0-M98-2065
- {7} Deleted
- {8} PIP 0-M99-3800, DocTracks NGO-2012-000119
- {9} PIP M-99-2593
- {10} PIP M-00-1107
- {11} PIP G-02-00399(deleted Meteorologist Checklist, replaced with new enclosure)
- {12} PIP M-01-3565
- {13} PIP M-01-3711
- {14} PIP M-99-5381
- {15} PIP C-02-5851
- {16} PIP G-02-00360
- {17} N/A
- {18} PIP M-02-2412, C.A.17
- {19} PIP M-03-2174
- {20} Deleted
- {21} PIP M-03-2808, C.A. 1
- {22} PIP M-03-3294, C.A. 10
- {23} PIP G-03-606
- {24} PIP M-04-2742, C.A. 10
- {25} PIP C-04-1367, C.A. 9
- {26} PIP-M-03-2538, C.A. 3

- {27} PIP-M-03-3483, C.A. 1
- {28} PIP-M-03-3294, C.A. 21
- {29} PIP-C-04-2486, C.A. 2
- {30} PIP-C-03-4471, C.A.1
- {31} Deleted
- {32} PIP-M-04-0735, C.A. 10
- {33} PIP-M-04-0238, C.A.2
- {34} Deleted
- {35} PIP-M-05-3631
- {36} PIP-C-05-4854
- {37} PIP-C-05-2064, C.A. 11
- {38} PIP-C-06-3808, CA. 9
- {39} PIP-G-07-0127
- {40} PIP-C-04-2631, C.A.2
- {41} PIP-C-06-6053, C.A.11
- {42} PIP-C-06-8633, C.A.6
- {43} PIP-M-06-5137, C.A.3
- {44} PIP-G-07-0944, C.A. 4
- {45} PIP-G-07-0959, C.A. 12
- {46} PIP-C-05-2064, C.A. 12
- {47} PIP M-07-3471, C.A. 6
- {48} PIP G-08-1053, C.A. 4
- {49} PIP C-09-3308, C.A. 3
- {50} PIP M-09-2521, C.A. 15
- {51} PIP M-09-4514, C.A. 19
- {52} PIP G-09-1159, C.A. 11

- {53} PIP G-08-1195
- {54} PIP G-09-0697, C.A. 2
- {55} Deleted
- {56} PIP O-10-2906
- {57} PIP M-10-3598, C.A. 21
- {58} PIP O-10-6861, C.A. 4
- {59} PIP G-10-1128, C.A. 1
- {60} PIP O-10-11050, C.A. 21
- {61} PIP G-11-1177, DocuTracks NGO-2012-000122
- {62} PIP M-11-6252, C.A. 2
- {63} PIP O-10-11050, C.A. 23
- {64} PIP G-11-1389, C.A. 11
- {65} PIP C-11-4972, C.A. 1
- {66} PIP G-11-1352, C.A. 6
- {67} PIP G-12-0276, C.A. 2
- {68} PIP G-12-1158, C.A. 2, 4, and 7
- {69} PIP C-12-3794, C.A. 4
- {70} PIP G-12-1057, C.A. 3
- {71} PIP G-10-0955
- {72} PIP G-13-0488
- {73} PIP M-13-7757
- {74} PIP G-13-1838
- {75} PIP G-13-1461, C.A. 19
- {76} PIP M-12-2339, C.A. 34
- {77} IER L1-13-10
- {78} IER L1-11-14

Enclosure 6.28

Commitments for SR/0/A/2000/03

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- {79} PIP G-14-0577
- {80} PIP G-14-2208
- {81} PIP G-14-2211
- {82} PIP O-14-9103, C.A. 2

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. 005	
	Electronic Reference No. SHR0005Q	
<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">PERFORMANCE</td> </tr> </table>		PERFORMANCE
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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), or change in Protective Action Recommendations.
- 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 Duke Emergency Management Network (DEMNET): The primary communication method used by the licensee to communicate emergency information to offsite response organizations.
- 2.8 Authentication Code: A controlled list of numbers and corresponding words provided by the state(s) to "authenticate" communications between 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 DEMENT.

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/A/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 Acquire turnover information using Enclosure 6.9 (Turnover Checklist), as follows:
 - **IF** TSC has activated, contact affected site(s) TSC Offsite Communicator.
 - **IF** emergency situation prevents activating TSC within 75 minutes of declaration, contact affected site(s) Control Room.
- 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 site, notify EOF Director.
- 3.14 **WHEN** EOF activated:
 - 3.14.1 Contact site 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
- 4.4 AD-EP-ALL-0102, WebEOC® Maintenance and Administration
- 4.5 AD-EP-ALL-0202, Emergency Response Offsite Dose Assessment
- 4.6 AD-EP-ALL-0406, Duke Emergency Management Network (DEMNET)

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**

1. Review the following criteria for notifications.

Initial Notifications

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

Follow-up Notifications

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

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

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

<p><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.</p>	<p><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.</p>	<p><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.</p>
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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, start/stop of a release, 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.

**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 from the WebEOC Emergency Notification Fax Management panel.

- 2.5 On Line 2 select or mark appropriate box for:
- 2.5.1 **A** **Initial**
- 2.5.2 **B** **Follow-up**
- 2.5.3 Leave NOTIFICATION: TIME and DATE blank.
- 2.5.4 Leave AUTHENTICATION # blank.

**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: **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)

- 2.8 Complete Line 5 (Data provided by RAM)
 - 2.8.1 **IF** Notification of Unusual Event **OR** Alert, check or verify A (None) is selected **AND GO TO** Step 2.9.
 - 2.8.2 **IF** Site Area Emergency for Catawba **OR** McGuire, check or verify A (None) is selected **AND GO TO** Step 2.9.
 - 2.8.3 **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 2.9.
 - 2.8.4 **IF** Site Area Emergency for Oconee **AND** a Condition A exists for Keowee Hydro Project Dam/Dike, **GO TO** Step 2.8.6.

**Emergency Notification Form (ENF)
Completion**

- 2.8.5 **IF** General Emergency, record Protective Action Recommendations as directed by RAM.

WARNING: Once a zone is accurately selected for evacuation, it should not be removed.

- 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.
- 2.8.6 **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. {AD-EP-ALL-0002}

- 2.9 Complete Line 6 (Data provided by RAM)
- 2.9.1 **IF** release not in progress or has not occurred, verify, select or mark **A** (None)
- 2.9.2 **IF** there is indication of an emergency release in progress, verify, select or mark **B** (Is Occurring)
- 2.9.3 **IF** a release has occurred but is no longer in progress, verify, select, or mark **C** (Has Occurred)

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

- 2.10 Confer with Radiological Assessment Manager (RAM) to determine whether current dose run is to be imported.
- 2.10.1 **IF** current dose run is **NOT** to be imported, **GO TO** Step 2.11.
- 2.10.2 Select "Import Dose Projection Data" button at bottom of ENF.
- 2.10.3 Verify imported information is correct on Lines 7, 14, 15 and 16.
- 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.
- 2.11.2 **IF** release has occurred, verify, select or mark **A** (Not applicable) **AND GO TO** Step 2.12.
- 2.11.3 **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.

NOTE: Selecting **D** (Under Evaluation) will clear any Dose Projection data imported in Step 2.10.

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

**Emergency Notification Form (ENF)
Completion**

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

A (Improving)

B (Stable)

C (Degrading)

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 Plant/MET Data" button on the ENF.

- 2.13 **IF** Follow-up Notification, complete Line 9 (Data provided by RAM)
- 2.13.1 **IF** meteorological data was imported into WebEOC ENF with the "Import Plant/MET Data" button, 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.

**Emergency Notification Form (ENF)
Completion**

NOTE: Format for time is #### and date is MM/DD/YYYY.

- 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 Date** button to acquire current 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.

- Events involving CAS or SAS
- 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.
- Toxic gas event

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.

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

NOTE:

1. Unaffected Unit(s) status not required for Initial Notifications.
2. In WebEOC ENF, **Get Date** button will load current 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, select "Import Plant/MET Data" button to auto-populate Line 12A.

**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.
 - 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.

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."
- 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 initial notification due to Protective Action Recommendation change.

- 2.20 **IF** initial 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** (None) selected on Line 6, **GO TO** Step 2.24.

Emergency Notification Form (ENF)
Completion

NOTE: Liquid releases cannot be quantified by URI and are not the basis for Protective Action Recommendations. The RAM should recommend providing information on liquid releases in Line 13.

- 2.23 Complete Lines 14, 15, and 16 (Data provided by RAM)
 - 2.23.1 **IF** using WebEOC ENF **AND** release is occurring
 - A. Verify dose information imported into form from URI is correct.
 - B. Line 14 TYPE - mark C Ground
 - C. Line 14 UNITS - mark B Ci/sec.
 - D. Line 14 FORM - check A (Airborne), **OR** B (Liquid) **AND** record release start and/or stop times, as appropriate.
 - E. **GO TO** Step 2.25.
 - 2.23.2 **IF** using manual form **AND** release is occurring
 - 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.
 - 2.23.3 **IF** using manual form **AND** release has occurred, complete Line 14 FORM - check A (Airborne), **OR** B (Liquid) **and** record release start and stop time and date.

**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.
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** and **Get Date** buttons 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 **WHEN** EOF Director verbally concurs that ENF is complete, select "Approve" button at bottom of WebEOC EN Form. (Emergency Notification FAX management panel will open.)
- 2.27 Document approval of WebEOC ENF
 - 2.27.1 Print copy of notification form.
 - A. Select "Save Draft" button to return to Emergency Notification Messages panel.
 - B. Select "View" button in EN Form column for applicable message.
 - C. Select "Print" button on EN Form to open pdf file.
 - D. Select Printer Icon on Web browser **OR** Adobe Reader and follow the prompts.
 - E. Close Web browser.
 - F. Select "Return" button on EN Form to open Emergency Notification Messages panel.
 - G. Select "Edit" button in Details column for applicable message to open EN Form.
 - 2.27.2 Request EOF Director to sign form next to "Approved by" line for official documentation purposes.
 - 2.27.3 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. Duke Emergency Management Network (DEMNET) 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. DEMNET instructions are contained in Fleet Procedure AD-EP-ALL-0406, Duke Emergency Management Network (DEMNET).
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. Providing the information in Step 1.6 meets the 15 minute notification time requirement.

1. Send message.

- 1.1 **IF** manually faxing ENF, **GO TO** Enclosure 6.4 (Fax Instructions).

**Emergency Notification Form (ENF)
Transmission**

NOTE:

1. Selecting the "Approve" button on the WebEOC EN Form will automatically open the WebEOC Emergency Notification Fax Management panel with the recipient name list auto-populated.
2. Clicking "EN Form" on the Control Panel under the "Boards" header will open the Emergency Notification Messages panel.
3. Clicking the "View" button in the "Fax" column in the Emergency Notification Messages panel will open the Emergency Notification Fax Management panel.
4. Clicking the "Cancel" button on the Emergency Notification Fax Management panel will close the panel and open the Emergency Notification Message panel.

- 1.2 **IF** using WebEOC ENF, fax notification form:
 - 1.2.1 Access Emergency Notification Fax management panel for applicable EN Form.
 - 1.2.2 Verify Fax "Recipient Name" list is correct.
 - 1.2.3 Click "Send Fax" button.
 - 1.2.4 Click OK. (The "Emergency Notification Messages" panel will open.)
- 1.3 **IF** using DEMNET computer/USB phone, initiate group call to offsite agencies for appropriate site as follows:
 - 1.3.1 Verify appropriate nuclear site screen has been selected.
 - 1.3.2 Select orange oval group button for "[CNS, MNS, ONS] Notify."
 - 1.3.3 **WHEN** prompt appears on screen asking to connect call, select "Yes." (When desired locations are connected, oval buttons will turn solid green.)
 - 1.3.4 Lift handset.
 - 1.3.5 Press **AND** hold push-to-talk (PTT) button.
- 1.4 **IF** using DEMNET Ethernet phone, initiate group call to offsite agencies for appropriate site as follows:
 - 1.4.1 Verify appropriate nuclear site screen has been selected.
 - 1.4.2 Select orange oval group button for "[CNS, MNS, ONS] Notify."

**Emergency Notification Form (ENF)
Transmission**

- 1.4.3 **WHEN** prompt appears on screen asking to connect call, select "Yes."
(As the call is being connected, the "Call in Progress" screen will be displayed.)
- 1.4.4 Press **AND** hold push-to-talk (PTT) button.

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

- 1.5 Record each agency answering by checking off agency name.
- 1.6 **IF** an offsite agency does not answer, contact missing agency by one of the following alternate means:
 - Make a point-to-point call using DEMNET computer/USB phone.
 1. Verify appropriate nuclear site screen has been selected.
 2. Select blue oval button for location to be called.
 3. **WHEN** prompt appears on the screen asking to connect call, select "Yes." (When the desired party is on the line, the oval button will turn green.)
 4. Lift handset.
 5. Press **AND** hold push-to-talk (PTT) button.
 - Make a custom conference call using a DEMNET computer/USB phone.
 1. Verify button for appropriate [CNS, MNS, ONS] location/device is displayed.
 2. Select Custom Conference icon located at top of computer screen. (Icon is shaped like a megaphone or bull horn. Custom Conference icon will turn red.)
 3. Select two or more oval buttons for locations to be included in Custom Conference. (Selected buttons to begin to blink.)
 4. Select Custom Conference icon again to initiate conference call.
 5. **WHEN** prompt appears on screen asking to connect call, select "Yes." (When desired locations are connected, oval button will turn red.)

**Emergency Notification Form (ENF)
Transmission**

6. Lift handset.
 7. Press **AND** hold push-to-talk (PTT) button.
- Make a point-to-point call using DEMNET Ethernet phone.
 1. Verify appropriate nuclear site screen has been selected.
 2. Select file folder icon for desired location ("Plant Name [CNS, MNS, ONS] ORO Devices")
 3. Select blue oval button for location/device to be called.
 4. **WHEN** prompt appears on screen asking to connect call, Select "Yes." (As call is being connected, "Call in Progress" screen will be displayed.)
 5. Lift handset.
 6. Press **AND** hold push-to-talk (PTT) button.
 - Make a custom conference call using DEMENT Ethernet phone.
 1. Verify button for appropriate [CNS, MMS, ONS] location/device is displayed.
 2. Select the Custom Conference icon located at the bottom of the screen. (Icon is shaped like a megaphone or bull horn. Custom Conference icon will turn pink.)
 3. Select the file folder icon for the desired location "Plant Name [CNS, MNS, ONS] ORO Devices."
 4. Select two or more oval buttons for locations to be included in Custom Conference. (Selected buttons begin to blink.)
 5. Press "Home" button to return to "Home" screen.
 6. Select Custom Conference icon again to initiate call.
 7. When prompt appears on screen to connect call, select "Yes." (As call is being connected, "Call in Progress" screen will be displayed.)
 8. Lift handset.
 9. Press **AND** hold push-to-talk (PTT) button.

**Emergency Notification Form (ENF)
Transmission**

- Request another communicator contact agency using commercial telephone at the number(s) listed below.

◇ **CATAWBA**

Agency	COMMERCIAL TELEPHONE
	Individual phone numbers OR One touch dial button
York County WP/EOC	9-1-803/329-1110
Mecklenburg Co. WP/EOC	9-704/336-2441 (WP) 9-704/432-4120 (EOC)
Gaston County WP/EOC	9-704/866-3300
North Carolina WP/EOC	9-1-919/733-3300 (Primary) 9-1-800/858-0368 (Alt.)
North Carolina Alt. WP	9-1-828/466/5500 9-1-828/466-5501
North Carolina Alt. EOC	9-1-919/733-3300 (Primary) 9-1-800-858-0368 (Alt.)
South Carolina WP	9-1-803/737-8500 (Primary) 9-1-800/811-8045 (Alt.)
South Carolina Alt. WP	9-1-803/896-9621
South Carolina EOC	9-1-803/737-8500 (Primary) 9-1-803-737-8724 (Alt.)

◇ **McGUIRE**

Agency	COMMERCIAL TELEPHONE
	Individual phone numbers OR One touch dial button
Gaston County WP/EOC	9-704/866-3300/3243
Lincoln County WP/EOC	9-1-704/735-8202/736-8511
Iredell County WP/EOC	9-1-704/878-3039
Mecklenburg Co. WP/EOC	9-704/336-2441 (WP) 9-704/432-4120 (EOC)
Catawba County WP/EOC	9-1-828/464-3112
Cabarrus County WP/EOC	9-704/920-3000 (WP) 9-1-704/436-6519 (EOC)
North Carolina EOC/WP	9-1-919/733-3300 (Primary) 9-1-800/858-0368 (Alt.)
North Carolina Alt. WP	9-1-828/466-5500 9-1-828/466-5501

Emergency Notification Form (ENF)
Transmission

◇ **OCONEE**

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

Agency	COMMERCIAL TELEPHONE
	Individual phone numbers OR
	One touch dial button
Oconee County WP (LEC)	9-1-864/638-4111
Pickens County WP (LEC)	9-1-864/898-5500
Oconee County EOC (EMA)	9-1-864/638-4200
Pickens County EOC (EMA)	9-1-864/898-5943
South Carolina WP/EOC	9-1-803/737-8500 (Primary) 9-1-800/811-8045 (Alt.)
South Carolina Alt. WP	9-1-803/896-9621

- 1.7 Document time first party answered as notification time on Line 2.
 - 1.7.1 **IF** using WebEOC:
 - A. Access Emergency Notification Fax Management panel for appropriate message (EN Form).
 - B. Enter Time and Date first agency responded into Notification Time and Date fields.
 - C. Select "Save" button to auto-populate EN Form with Notification Time and Date on line 2.
 - 1.7.2 **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 DEMNET or if requested by an offsite agency.

- 1.8 **REFER TO** Enclosure 6.3 (Authentication Guideline) as needed.

**Emergency Notification Form (ENF)
Transmission**

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

1.9.1 **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?*

1.9.2 **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?*

1.10 **IF** all answers are yes, **GO TO** Step 1.10.

1.11 **IF** any answer is no, send fax again to appropriate agencies.

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

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

1.12.1 Request appropriate agencies to obtain a blank notification form.

1.12.2 Read Emergency Notification Message line by line to agencies.

1.13 Provide agencies with Communicator's name.

**Emergency Notification Form (ENF)
Transmission**

- NOTE:**
1. Incoming calls other than DEMNET 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.

- 1.14 Ask for questions
 - 1.14.1 **IF** no questions, **GO TO** Step 1.12.
 - 1.14.2 **IF** a question is in reference to information on Emergency Notification Form, provide information to requesting agency.
 - 1.14.3 **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**

- 1.15 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.

- 1.15.1 Document name of individuals.

- A. **IF** using WebEOC ENF:

1. Access Emergency Notification Fax Management panel for appropriate message (EN Form).
2. Record fax recipient names in the Government Agencies Notified "Received By" field and enter items and dates.
3. Select "Update" Button.

- B. **IF** using manual form, record names on back of Emergency Notification Form.

- 1.16 Inform agencies that message transmission is complete by saying:

"This concludes this message. EOF clear."

- 1.17 **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.

- NOTE:**
1. Authentication is **NOT** required when using DEMNET 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 on the Emergency Notification Fax Management panel using "Get Authentication Code" button.
 4. The Authentication field on Line 2 of the EN Form is complete when it is filled in with an Authentication number or an N/A (if no authentication is performed).

1. Placing a Call

- 1.1 **IF** using Authentication Code List:
 - 1.1.1 Ask State or County Representative if they want Authentication.
 - 1.1.2 **IF** Authentication is **NOT** desired, enter N/A in AUTHENTICATION # field on (Line 2) EN Form.
 - 1.1.3 **IF** Authentication is desired, request State or County Representative to provide a number from Authentication Code list.
 - A. Provide code word(s) corresponding to number from Authentication Code List.
 - B. Document number in AUTHENTICATION # field on (Line 2) Emergency Notification Form.

Enclosure 6.3
Authentication Guideline

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- 1.2 **IF** using WebEOC:
 - 1.2.1 Access Emergency Notification Fax Management panel for appropriate message (EN Form).
 - 1.2.2 Ask the State or County Representative if they want Authentication.
 - 1.2.3 **IF** Authentication is requested:
 - A. Request State or county Representative to provide a number from the Authentication Code list.
 - B. Enter number provided by Agency into AUTHENTICATION # field.
 - C. Select "Get Authentication Code" (the Code Word(s) will appear).
 - D. Provide Code Word(s).
 - E. Select Save to auto-populate EN Form.
 - 1.2.4 **IF** Authentication is **NOT** requested:
 - A. Enter N/A into AUTHENTICATION # field.
 - B. Select Save to auto-populate EN Form.

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.

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 **IF** fax is sleeping, press illuminated **green** button in shape of crescent moon.
 - 1.1.3 Ensure fax is on Home menu by pressing "Service Home" button.
 - 1.1.4 On touchscreen, perform the following:
 - A. Select "Fax."
 - B. Select arrow beside Address Book icon (right hand side of the screen).
 - C. Select "Device Address Book Group."
 - D. Select appropriate site's contact name.
 - CNS Group
 - MNS Group
 - ONS Group
 - 1.1.5 Press green **Start** button.
 - 1.1.6 Ensure off-site agencies have received fax by returning to Enclosure 6.2, Step 1.3, or individual calls.

2. Single Fax Using Pre-Programmed Dialing Method

- 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 **IF** fax is sleeping, press illuminated **green** button in shape of crescent moon.
 - 2.1.3 Ensure fax is on Home menu by pressing "Service Home" button.
 - 2.1.4 On touchscreen, perform the following:
 - A. Select "Fax."
 - B. Select arrow beside Address Book icon (right hand side of screen).
 - C. Select "Device Address Book Individuals."

D. Select desired contact(s) from site specific table below.

E. Select "OK."

NOTE: Individual Address Book includes the ability to fax to individual agencies.

- **CATAWBA**

Fax Contact Name	Agency Name
NC WP/EOC 1	North Carolina WP/EOC (primary fax#)
NC WP/EOC 2	North Carolina WP/EOC (alternate fax#)
NC Alternate WP 1	North Carolina Alternate WP (primary fax#)
NC Alternate WP 2	North Carolina Alternate WP (alternate fax#)
NC Alternate EOC 1	North Carolina Alternate EOC (primary fax#)
NC Alternate EOC 2	North Carolina Alternate EOC (alternate fax#)
SC EOC 1	South Carolina EOC (primary fax#)
SC EOC 2	South Carolina EOC (alternate fax#)
SC WP 1	South Carolina WP (primary fax#)
SC WP 2	South Carolina WP (alternate fax#)
SC Alternate WP 1	South Carolina Alternate WP (primary fax#)
SC Alternate WP 2	South Carolina Alternate WP (alternate fax#)
Gaston County WP	Gaston County WP
Mecklenburg CO WP	Mecklenburg County WP
York CO WP	York County WP
CNS EQ	CNS - OPS Training Center
CNS TSC Offsite Comm	CNS TSC Offsite Agency Communicators
JIC-NGO	Joint Information Center
NC Western Branch	North Carolina EM Western Branch Office

- McGUIRE**

Fax Contact Name	Agency Name
North Carolina EOC	North Carolina WP/EOC
Cabarrus CO WP	Cabarrus County WP
Catawba CO WP	Catawba County WP
Gaston CO WP	Gaston County WP
Iredell CO WP	Iredell County WP
Lincoln CO WP	Lincoln County WP
Mecklenburg CO WP	Mecklenburg County WP
MNS EE	McGuire Energy Explorium (News Group)
JIC-NGO	Joint Information Center
NC Western Branch	North Carolina EM Western Branch Office
NC Alternate WP	North Carolina Alternate State WP
Cabarrus CO EOC	Cabarrus County EOC
Catawba EOC	Catawba County EOC
Gaston EOC	Gaston County EOC
Iredell CO EOC	Iredell County EOC
Lincoln CO EOC	Lincoln County EOC
Mecklenburg CO EOC	Mecklenburg County EOC
ECOC	Enterprise Crisis Operation Center
MNS TSC	McGuire TSC
NRC OPS Center	NRC Headquarters Operations Center
NRC Regional II IRC	NRC Region 2 Operations Center

- OCONEE**

Fax Contact Name	Agency Name
South Carolina WP/EOC	South Carolina WP/EOC
Oconee CO WP	Oconee County WP (LEC)
Pickens CO WP	Pickens County WP (LEC)
ONS TSC Offsite Comm	Oconee TSC Offsite Agency Communicators
JIC-NGO	Charlotte Joint Information Center
SC Alternate WP (Highway Patrol)	South Carolina Highway Patrol (WP Backup)
ECOC	Enterprise Crisis Operation Center
Oconee CO EOC	Oconee County EOC (EMA)
Pickens CO EOC	Pickens County EOC (EMA)
NRC OPS Center	NRC Headquarters Operations Center
NRC Region II IRC	NRC Region 2 Operations Center
JIC - ONS	Oconee Joint Information Center

- 2.1.5 Press green **Start** button.
- 2.1.6 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 **IF** fax is sleeping, press illuminated **green** button in shape of crescent moon.
 - 3.1.3 Ensure fax is on Home menu by pressing "Service Home" button.
 - 3.1.4 Manually enter fax number(s) needed using numerical keypad (not touch screen).
 - 3.1.5 Press green **Start** button.

NOTE: Georgia Emergency Management Agency (GEMA), Hart County EMA, Elbert County EMA and National Weather Service (NWS) are provided faxed copies of the ENF whenever a Condition A or Condition B exists for a Keowee Hydro Project Dam/Dike. GEMA and NWS phone numbers are available in the Consolidated Emergency Plan Telephone Directory for the Emergency Operations Facility (EOF).

OCONEE - Keowee Hydro Project Dam/Dike

Agency		Fax Number
GEMA	dial	9-1-404-635-7205
NWS	dial	9-1-864-848-5072 9-1-864-848-1582
Hart Co. EMA	dial	9-1-706-856-5316
Elbert Co. EMA	dial	9-1-706-283-2029

- 3.1.6 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.

<p>Initial Notifications</p> <p>1. Initial notifications to State(s) and counties must be made within 15 minutes of event declaration time.</p> <p>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.</p> <p>3. Initial messages in General Emergency classification that involve upgrade in PARs shall be communicated to offsite agencies as soon as possible and within 15 minutes.</p>		
<p>Follow-up Notifications</p> <p>1. Follow-up notifications to State(s) and Counties must be made as follows:</p>		
<p><u>Catawba</u> -For NOUE, ALERT, SAE, or GE, every hour until the emergency is terminated.</p>	<p><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.</p>	<p><u>Oconee</u> -For NOUE, a follow-up is not required. -For ALERT, SAE, or GE, every 60 minutes until the emergency is terminated.</p>
<p>OR</p>		
<p><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.</p>	<p><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.</p>	<p><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.</p>
<p>OR</p>		
<p><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.</p>	<p><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.</p>	<p><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.</p>
<p>*NOTE: Examples of significant plant changes include: evacuation/relocation of site personnel, fires onsite, MERT activation and/or injured personnel transported offsite, start/stop of a release, 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).</p>		
<p>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.</p>		

Lead Offsite Agency Communicator Duties

- 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.

- 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.
- **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.

Lead Offsite Agency Communicator Duties

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 the primary communications tool.
- 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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Page 1 of 1

- 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

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

Follow-up Notifications

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

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

OR

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

OR

<p><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.</p>	<p><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.</p>	<p><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.</p>
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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, start/stop of a release, 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.

Enclosure 6.7
Telephone Communicator Duties

SR/0/A/2000/004
Page 2 of 2

- Send messages per Enclosure 6.2.

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

- 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.

ENF Quick Reference

Line 1 *	<ul style="list-style-type: none"> Select/Mark A for Drill or B for Actual Event. Ensure or Record Message Number
Line 2	Select/Mark A for Initial or B for Follow-up NOTE: Notification Time/Date and Authentication will be completed during message transmission and populated from the WebEOC Emergency Notification Fax Management panel.
Line 3 *	<ul style="list-style-type: none"> Ensure or record appropriate Site (e.g., Catawba) Ensure, Record, or Select appropriate Confirmation Phone Number
Line 4 *	Select/Ensure correct Event Classification Select/Ensure correct EAL # Select/Ensure EAL Description matches EAL Number
Line 5 *	Protective Action Recommendations <ul style="list-style-type: none"> IF Unusual Event, Alert, or Site Area Emergency AND NO Condition A for Keowee Hydro Project Dam/Dike, Select/Mark A None IF Site Area Emergency AND Condition A for Keowee Hydro Project Dam/Dike, Select/Mark B Evacuate and E Other per Enclosure 6.1, Step 2.10.6 IF General Emergency, Select/Mark B Evacuate and C Shelter, then Select/Record appropriate zones. If circumstances warrant, Select/Mark D KI and/or E Other as appropriate
Line 6 *	Emergency Release Select/Mark as appropriate: A - None B - Is Occurring C - Has Occurred
Line 7	Release Significance <ul style="list-style-type: none"> IF No Release is in progress Select/Mark A None IF Release is known, Select/Mark B (Within normal operating limits) OR C (Above normal operating limits) as appropriate. IF release significance is unknown, Select/Mark D (Under evaluation)
Line 8	Event Prognosis Select/Mark Improving , Stable , or Degrading as appropriate.
Line 9 *	Meteorological Data (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"> Select the "Import Plant/MET" Data button on the WebEOC EN Form to auto-populate Line 9. Record Wind Speed and Wind Direction along with Precipitation and Stability Class. Verify imported information is current.
Line 10 *	Select/Mark A for Declaration or B for Termination as appropriate and enter the time utilizing one of the following methods. <ul style="list-style-type: none"> IF using WebEOC ENF select Get Date button, THEN, adjust as needed. Manually type or write time and date of declaration or termination as appropriate.
Line 11 *	Affected Units - IF event affects the emergency class on more than one unit equally, select or check All. IF the event only affects one unit or one unit has a higher emergency class, select or check appropriate unit.
Line 12	Unit Status - IF Unit is Shutdown, record 0% power AND Shutdown Time and Date. IF Unit is NOT Shutdown, record % power only. <ul style="list-style-type: none"> Select the "Import Plant/MET Data" button to auto-populate Line 12.A, % Power if the unit is NOT shutdown.
Line 13	Remarks: Record any additional information. (Reference Enclosure 6.5)
Lines 14 - 16	Radiological Information <ul style="list-style-type: none"> Select the "Import Dose Projection Data" button to auto-populate Lines 14, 15, and 16. IF using WebEOC Electronic Notification Form, verify imported information is correct. IF using Manual Form and release is occurring, have RAM provide information.
Line 17	Complete Line 17 per one of the following methods: <ul style="list-style-type: none"> IF 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 & Date, (5) Record name of Communicator making call on "Notified by" line. (6) Print form and have EOF Director review and sign, and (7) Select "Approve" at bottom of form. IF using Manual Form, (1) Print form (2) Have EOF Director review and complete Line 17, and (3) Record name of Communicator making call.
	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

- Obtain most recent notification
- 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**

Oconee

Indicate which agencies have been contacted	<u>Yes</u>	<u>No</u>
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:	<u>Yes</u>	<u>No</u>
Site Allen (Plant Allen, Belmont, NC)		
Site York (York Operations Center, York, SC)		
Home		

McGuire

Indicate relocation site:	<u>Yes</u>	<u>No</u>
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

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): _____



NUCLEAR OPERATING FLEET
ADMINISTRATIVE PROCEDURE

AD-EP-ALL-0203

**PROTOCOL FOR THE FIELD MONITORING
COORDINATOR DURING EMERGENCY CONDITIONS**

REVISION 0

Effective Dates:

NA
Brunswick

05/21/2015
Catawba

NA
Harris (HNP)

05/21/2015
McGuire

05/21/2015
Oconee

NA
Robinson

05/21/2015
NGO

PROTOCOL FOR THE FIELD MONITORING COORDINATOR DURING EMERGENCY CONDITIONS	AD-EP-ALL-0203
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REVISION SUMMARY
PRR 726363
DESCRIPTION
This is a new fleet procedure superseding SH/0/B/2005/002, Protocol for the Field Monitoring Coordinator During Emergency Conditions.

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1.0 PURPOSE

1. [CNS, MNS, ONS] To describe a systematic field monitoring method for sampling and identifying airborne plumes or liquid effluents in order to obtain field data indicative of the radiation exposure to the general public following an unplanned release of radioactive material.

2.0 SCOPE

1. [CNS, MNS, ONS] This procedure applies to the Field Monitoring Coordinator and the requirements to direct Field Monitoring Team actions in the event of a declared radiological emergency.

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

4.1 Field Monitoring Coordinator (FMC)

1. Provides technical and administrative direction to Field Monitoring Teams (FMT) during an emergency.
2. Reports to the Radiological Assessment Manager (RAM) in the Emergency Operations Facility (EOF).
3. Monitors radiological exposures of Field Monitoring Team members.
4. Provides environmental monitoring team field measurement information to the Dose Assessor.

4.2 Field Monitoring Team (FMT)

1. Performs environmental sampling and identification of airborne plumes within the ten mile emergency planning zone.

4.3 Radiation Protection Manager (RPM)

1. Provides oversight and directs Radiation Protection (RP) emergency response for the site.

4.4 Radiological Assessment Manager (RAM)

1. Provides oversight and directs RP emergency response from the EOF.

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4.5 Dose Assessors

1. Operate out of the EOF and perform dose assessment of radiological releases during emergency conditions.

4.6 EOF Emergency Planner

1. Collects FMC data sheets as part of the turnover process in the EOF during emergency conditions.

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5.0 INSTRUCTIONS

5.1 General Instructions

1. During any drill or emergency, personnel safety and safe operation of the vehicle are of primary concern.
2. Field Monitoring Team (FMT) environmental sampling performed during emergency conditions does not replace or substitute for normally required environmental monitoring.
3. Any request to dispatch a FMT vehicle within the Protected Area (PA) shall be verified with and approved by the site Radiation Protection Manager (RPM) or Radiological Assessment Manager (RAM).
 - a. Ensure dose to personnel and contamination of vehicles and equipment is kept to a minimum.
4. Protective dress requirements, categories, and descriptions are found in RWP-98 binder located in the Offsite Monitoring Room of the EOF.
5. Site specific sample locations and sample collection methodologies are described in:
 - [CNS] HP/0/B/1009/004, Environmental Monitoring for Emergency Conditions Within the Ten Mile Radius of CNS
 - [MNS] HP/0/B/1009/023, Environmental Monitoring for Emergency Conditions
 - [ONS] HP/0/B/1009/026, Environmental Monitoring for Emergency Conditions
6. Provide only pertinent, general information when using radio.
7. Do not take smear samples on automobiles.

5.2 Field Monitoring Team (FMT) Activation

1. Consult with the Technical Support Center (TSC) to determine the status and availability of field monitoring teams.
2. If the site has not activated field teams, then consult with the Dose Assessors to determine the need for team activation.
3. When communications have been established with the FMTs, then the Field Monitoring Coordinator (FMC) shall take control of the teams.

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5.2 Field Monitoring Team (FMT) Activation (continued)

4. If emergency conditions dictate, then request the following from an alternate site:
 - Additional survey vehicles
 - Additional field monitoring support
5. One FMT member on each team should be from the site with the declared emergency, if available.
6. Obtain an Emergency Planning Zone map for the affected site.

5.3 Field Monitoring Team Communication

1. Verify the talk group on the base set is set as follows:
 - For McGuire, verify 'MNS-FM' is displayed
 - For Catawba, verify 'CNS-FM' is displayed
 - For Oconee, verify 'ONS-FM' is displayed
2. Establish radio communications with each available field team.
 - a. Attachment 1, Field Monitoring Vehicle Designations, describes team call signs and designations.
3. Maintain open radio communications with each FMT.
4. If radio communications become inoperable, then use cell phone or satellite phone communications as a back-up.
 - a. Cell phone and satellite phone numbers are displayed on the laminated card in the Offsite Monitoring Room.
 - b. Catawba Emergency Phone Numbers are found in the CNS Emergency Phone Directory.
 - c. McGuire Emergency Phone Numbers are found in RP/0/A/5700/014, Emergency Telephone Directory.
 - d. Oconee Emergency Phone Numbers are found in the Oconee Nuclear Site Emergency Telephone Directory.
5. Communicate over the radio during a drill or exercise by beginning and ending each transmission with: 'This is a drill, This is a drill'.
6. Communicate information using phonetic alphabet.

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5.4 Locating and Tracking the Plume

1. Perform steps in this section in any order.
2. Dispatch FMTs after vehicles and equipment have been confirmed operational.
 - a. Emergency Planning Zone (EPZ) map designations (e.g., sampling locations, major roadways, quadrants and sub-quadrants) described in Attachment 7, Emergency Planning Zone (EPZ) Map Designations, can be used to direct field team monitoring locations.
3. Validate location of any FMT dispatched under the guidance of site specific procedure (i.e., auto-dispatch).
4. If onsite meteorological instruments are not available, then consult with Dose Assessors concerning alternatives for obtaining meteorological data.
5. Estimate which meteorological sector or sectors appear to be affected by the plume according to predominant wind direction and wind speed.
6. Request 2-mile or 10-mile map print-outs from Dose Assessment to aid in determining plume direction and edge.
7. Request survey teams remain aware of terrain during air sampling or surveying (e.g., wind breaks formed by landscape or vegetation could inhibit acquisition of a representative sample).
8. Direct FMTs to report all dose rates above background.
9. Direct FMTs to immediately report any dose rate alarms.
10. Request FMT members to periodically report their accumulated dose.
11. Direct FMTs to park their vehicles completely off the road, as much as practical.
12. Direct FMTs to use emergency flashers and strobe, if available, whenever the vehicle is stopped to obtain samples.
13. Record each FMT's sampling history on Attachment 2, Field Monitoring Survey Data Sheet.
14. Request FMTs to perform beta and gamma dose rate measurements and air sampling.
15. Request FMTs to report maximum radiation levels while en route to and while at sampling locations.
16. Request FMTs to report the location of plume edges based on instrument readings.

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5.4 Locating and Tracking the Plume (continued)

17. Request FMTs to perform iodine sampling under the following conditions:
 - Loss of three fission product barriers has occurred
 - Any suspected iodine release has occurred
 - The source of release is unknown and the FMT is in the presence of measurable activity
 - As directed by the FMC
18. Use Attachment 6, I-131 Dose Calculation Methodology, to convert field team I-131 concentration to CDE thyroid dose rate.
19. If I-131 Derived Airborne Calculation (DAC) value is greater than or equal to 4 DAC, then notify the Radiological Assessment Manager.
 - $8E-8$ $\mu\text{Ci/ml}$ equals 4 DAC I-131
 - 4 DAC-hrs equal 100 mrem CDE-thyroid
20. Notify FMTs of changing plant and meteorological conditions that may have an effect on environmental measurements and plume tracking.
 - Record meteorological plant status information communicated to FMTs on Attachment 3, Meteorological Update for Field Monitoring Teams.
21. Notify FMTs of plant status as reported on most recent Emergency Notification Form.

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5.5 Special Sampling

1. If plant conditions are considered to be stabilized, then FMTs shall perform special sampling. Special sampling may include, but is not limited to the following:
 - Smears of surrounding areas (stationary, horizontal surfaces, do not smear vehicles)
 - Vegetation
 - Soil
 - Sediment
 - Water
 - Milk
 - Integrated dose over time using TLDs
2. Communicate to each FMT to exercise care to prevent sample cross contamination.
3. Communicate each FMT to include (at minimum) the following information on each sample container:
 - Sample location
 - Sample reference date and time
 - Sample collected by

5.6 Sample Analysis

1. Direct each FMT to retain samples for analysis.
2. Consult EnRad Laboratory Management to make appropriate arrangements for sample transport and analysis.

5.7 FMT Dose Tracking

1. Use Attachment 5, Guidance on Dose Limits for Workers Performing Emergency Services, for managing personnel dose during the emergency.
2. Accumulated dose greater than 400 mrem shall be avoided as much as practical. This is based on 80% of the RWP-98 dose setpoint of 500 mrem.

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5.7 FMT Dose Tracking (continued)

3. If conditions are such that any FMT member may receive 500 mrem or greater during the emergency or simulated during a drill, then complete Attachment 4, Field Monitoring Team Radiation Exposure Record, to track exposure.
4. If any FMT member receives a dose alarm (i.e., greater than 500 mrem), then inform Radiological Assessment Manager (RAM).
5. If any FMT is likely to receive 5 rem or greater of thyroid dose, then refer to AD-EP-ALL-0204, Distribution of Potassium Iodide Tablets, in the Event of a Radioiodine Release, for distribution of potassium iodide tablets.

5.8 FMT Turnover

1. Consult with TSC to establish FMT shift relief.
2. FMC will instruct members to report to a designated counting facility for a post-job whole body count, as appropriate.

5.9 Documentation

1. Submit all documentation to the EOF Emergency Planner.

6.0 RECORDS

1. The following records are generated by this procedure:
 - Attachment 2, Field Monitoring Survey Data Sheet
 - Attachment 3, Meteorological Update for Field Monitoring Teams
 - Attachment 4, Field Monitoring Team Radiation Exposure Record

PROTOCOL FOR THE FIELD MONITORING COORDINATOR DURING EMERGENCY CONDITIONS	AD-EP-ALL-0203
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7.0 REFERENCES

7.1 Commitments

1. None

7.2 Procedures

1. AD-EP-ALL-0204, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release
2. [CNS] HP/0/B/1009/004, Environmental Monitoring for Emergency Conditions Within Ten Mile Radius of CNS
3. [MNS] HP/0/B/1009/023, Environmental Monitoring for Emergency Conditions
4. [ONS] HP/0/B/1009/026, Environmental Monitoring for Emergency Conditions
5. [MNS] RP/0/A/5700/014, Emergency Telephone Directory

7.3 Miscellaneous Documents

1. EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents
2. [CNS] CNS Emergency Phone Directory
3. [ONS] Oconee Nuclear Site Emergency Telephone Directory

Field Monitoring Vehicle Designations

1. If teams from multiple sites are being used, then designate the team's call sign with the station name (e.g., McGuire Sample Van 1, Catawba Sample Van 2, Oconee Sample Van 1).

Team Call Signs	Minimum Number of Members	Transportation
Sample Van 1	2	Emergency Van
Sample Van 2	2	Emergency Van
Alpha	2	Station Vehicle
Bravo	2	Station Vehicle
Charlie	2	Land Vehicle
Delta	2	Land Vehicle

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ATTACHMENT 3
 Page 1 of 1

Meteorological Update for Field Monitoring Teams

Performed by: _____

Date: _____ Time: _____ Classification: _____ Wind Speed: _____ mph Wind Direction From: _____ Zones Affected: _____ Information From Emergency Notification form #: _____ Other: _____ _____ _____
--

Date: _____ Time: _____ Classification: _____ Wind Speed: _____ mph Wind Direction From: _____ Zones Affected: _____ Information From Emergency Notification form #: _____ Other: _____ _____ _____
--

Date: _____ Time: _____ Classification: _____ Wind Speed: _____ mph Wind Direction From: _____ Zones Affected: _____ Information From Emergency Notification form #: _____ Other: _____ _____ _____
--

Guidance on Dose Limits for Workers Performing Emergency Services

1. Sum of external effective dose equivalent and committed effective dose equivalent to non pregnant adults from exposure and intake during an emergency situation.
2. Workers performing services during emergencies should limit dose to the lens of the eye to three times the listed value and doses to any other organ (including skin and body extremities) to ten times the listed value.
3. These limits apply to all doses from an incident, except those received in unrestricted areas as members of the public.

Dose Limit (rem)	Activity	Condition
5	all	
10	protecting valuable property	lower dose not practicable
25	life saving or protection of large populations	lower dose not practicable
>25	life saving or protection of large populations	only on a voluntary basis to persons fully aware of the risks involved

PROTOCOL FOR THE FIELD MONITORING COORDINATOR DURING EMERGENCY CONDITIONS	AD-EP-ALL-0203
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I-131 Dose Calculation Methodology

1. To calculate the CDE Thyroid dose rate from the field team results, use the following formula:

$$\text{CDE Thyroid (mrem/hr)} = \frac{\mu\text{Ci/ml} * 1.39 \text{ E9 mrem / hr}}{\mu\text{Ci / ml}}$$

where: $\mu\text{Ci/ml}$ = I-131 concentration from field team air sample results

1.3E9 = Dose conversion factor, I-131 conc. ($\mu\text{Ci/ml}$) to CDE Thyroid (mrem/hr)

2. To calculate the expected I-131 concentration ($\mu\text{Ci/ml}$) from a dose assessment calculated CDE thyroid dose rate (mrem/hr), use the following formula:

$$\text{I-131 } \mu\text{Ci / ml} = \frac{\text{CDE Thyroid (mrem / hr)}}{\frac{1.3\text{E9 mrem / hr}}{\mu\text{Ci / ml}}}$$

where:

CDE thyroid (mrem/hr) from the dose assessment printout

1.3E9 = Dose conversion factor, I-131 conc. ($\mu\text{Ci/ml}$) to CDE Thyroid (mrem/hr)

PROTOCOL FOR THE FIELD MONITORING COORDINATOR DURING EMERGENCY CONDITIONS	AD-EP-ALL-0203
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Emergency Planning Zone (EPZ) Map Designations

1. EPZ Map Designations

a. Major roadways delineate the protective action zones (PAZs) surrounding the plant. Either all or a portion of a PAZ would be expected to be affected to some degree by radioactivity released from the plant. Major roadways are therefore utilized to provide access to suspected regions (outer edges, leading edges, centerline) of the plume as necessary.

- Major roadways on the field monitoring map are identified by numerical designations and responsibility level (Federal, state, county, or city) designations.
- Selected roadways on the field monitoring map are identified by a specific name, rather than a numerical responsibility designation.
- Predetermined sampling locations are denoted by a red text oval on the field monitoring map. The sampling point designator indicates the protective action zone the point is in and the mileage from the plant. For example, locations are designated in the format.

S - 10 - 2

where: S = Emergency Planning Zone

10 = Mile Radius

2 = Sample Point #2

- A quadrant on the EPZ Map will be identified by:
 - ◇ The letter depicting the column, and
 - ◇ The number depicting the row (e.g., B-6, D-7, H-12).
- A sub-quadrant will be described as upper-left (UL), upper-right (UR), lower-left (LL), or lower-right (LR)



NUCLEAR OPERATING FLEET
ADMINISTRATIVE PROCEDURE

AD-EP-ALL-0204

**DISTRIBUTION OF POTASSIUM IODIDE TABLETS IN
THE EVENT OF A RADIOIODINE RELEASE**

REVISION 0

Effective Dates:

NA
Brunswick

05/21/2015
Catawba

NA
Harris (HNP)

05/21/2015
McGuire

05/21/2015
Oconee

NA
Robinson

05/21/2015
NGO

DISTRIBUTION OF POTASSIUM IODIDE TABLETS IN THE EVENT OF A RADIOIODINE RELEASE	AD-EP-ALL-0204
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REVISION SUMMARY
PRR 728530
DESCRIPTION
<p>This is a new fleet procedure superseding:</p> <ul style="list-style-type: none"> • SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release <p>This procedure replaces parts of:</p> <ul style="list-style-type: none"> • EPSPA-03, Administration of Potassium Iodide • PEP-330 Radiological Consequences • OPEP-03.7.6, Emergency Exposure Controls

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DISTRIBUTION OF POTASSIUM IODIDE TABLETS IN THE EVENT OF A RADIOIODINE RELEASE	AD-EP-ALL-0204
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1.0 PURPOSE

1. [CNS, MNS, ONS] This procedure provides information for distribution of Active Potassium Iodide (KI) tablets to Duke Energy and contractor personnel in the event of a release of radioiodine resulting from emergency conditions.

2.0 SCOPE

1. [CNS, MNS, ONS] This procedure applies to the Duke Energy operating nuclear fleet.

3.0 DEFINITIONS

1. **Committed Dose Equivalent (CDE):** The dose equivalent to a specific organ or tissue integrated over a 50 year period due to radionuclides in the body.
2. **Effective Dose Equivalent (EDE):** The sum of the products of the dose equivalent to each organ and a weighing factor related to the risk of delayed health effects in the respective organ. Units are in Rem.
3. **Thyroid Blocking Agent:** A non-prescription (i.e., over the counter) drug that is effective in reducing the accumulation of radioiodine, which has entered the body through inhalation or ingestion, by the thyroid gland.
4. **Total Effective Dose Equivalent (TEDE):** The sum of the Deep Dose Equivalent and the Committed Effective Dose Equivalent.

4.0 RESPONSIBILITIES

4.1 [CNS, MNS, ONS] Radiation Protection Manager (RPM)

1. Determines the need for and approves the administration of KI for:
 - a. Site Duke Energy and contractor personnel.
 - b. Off-site Duke Energy and contractor personnel until the Emergency Operations Facility (EOF) is operational.

4.2 [CNS, MNS, ONS] Radiological Assessment Manager (RAM)

1. Determines the need for and approves the administration of KI for off-site Duke Energy and contractor personnel and EOF personnel.

DISTRIBUTION OF POTASSIUM IODIDE TABLETS IN THE EVENT OF A RADIOIODINE RELEASE	AD-EP-ALL-0204
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4.3 [BNP, HNP, RNP] Radiation Control Director (RCD)

1. Determines the need for and approves the administration of KI for the following:
 - a. Site Duke Energy and contractor personnel.
 - b. Off-site Duke Energy and contractor personnel until the EOF is operational.

4.4 [BNP, HNP, RNP] Radiological Control Manager (RCM)

1. Determines the need for and approves the administration of KI for off-site Duke Energy and contractor personnel and EOF personnel.

4.5 Radiation Protection (RP)

1. Maintains KI inventory as part of the emergency kit inventory.
2. Distributes KI as directed by the RPM, RAM, RCD, or RCM.

4.6 Security

1. Obtains and distributes KI to security personnel on post under RP direction.

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5.0 INSTRUCTIONS

5.1 General Instructions

1. Do not issue Active Potassium Iodide (KI) to personnel with the following conditions:
 - Pre-existing thyroid conditions
 - Grave's disease
 - Thyroid nodules
 - Hashimoto's thyroiditis
 - Dermatitis herpetiformis
 - Hypocomplementric vasculitis
 - Nodular thyroid disease with heart disease
 - Who have known allergies to iodide substances such as shellfish
2. Store KI in sealed containers, protected from light and temperature variances in accordance with the manufacturer's instructions.
3. Store KI, this procedure, Attachment 1, Potassium Iodide (KI) Distribution and Ingestion Information, and Attachment 2, Security Potassium Iodide (KI) Distribution and Ingestion Information, per site emergency kit inventory procedures.
4. Do not take KI for more than ten days without doctor approval.
5. Recommend nursing mothers who receive KI tablets use nutrient substitutes (e.g., milk or a formula) for children for the duration of the ten-day tablet use period.
6. Use Attachment 3, Potassium Iodide (KI) Effectiveness, to review the value of KI ingestion over time.

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5.2 Distribution Of KI

1. Evaluate conditions for issue of KI in consultation with the following:
 - [CNS, MNS, ONS] Radiation Protection Manager (RPM) or Radiological Assessment Manager (RAM)
 - [BNP, HNP, RNP] Radiological Control Director (RCD) or Radiological Control Manager (RCM)
2. If actual or expected uptake of radioiodine is equal to or greater than 5 rem CDE-thyroid (200 DAC-hrs I-131 equivalent), then establish KI distribution for designated Duke Energy and contractor personnel.
3. If determination is made to distribute KI tablets, then notify the following:
 - [CNS, MNS, ONS] Emergency Coordinator (EC) and Emergency Operating Facility (EOF) Director
 - [BNP, HNP, RNP] Site Emergency Coordinator (SEC) and Emergency Response Manager (ERM)
4. The RPM or RCD ensures air samples related to the radioiodine release are analyzed to include I-131 equivalent and DAC-hrs.
5. Distribute KI to Duke Energy and contractor personnel, including workers returning from the field, as designated by site management (other than Security) as follows:
 - a. If Control Room in-leakage is declared degraded, then include Control Room Operators in the distribution process.
 - b. Distribute one package containing fourteen KI tablets to each designated Duke Energy and contractor personnel.
 - c. Instruct designated Duke Energy and contractor personnel to read and follow package instructions.
 - d. Request designated Duke Energy and contractor personnel read and sign Attachment 1, Potassium Iodide (KI) Distribution and Ingestion Information.

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5.2 Distribution Of KI (continued)

6. Distribute KI to Security personnel as follows:
 - a. Issue the following to the Security officer assigned to obtain KI for specified number of Security personnel on post:
 - (1) One pack containing fourteen KI tablets.
 - (2) Attachment 2, Security Potassium Iodide (KI) Distribution and Ingestion Information.
 - b. Instruct Security officer assigned distribution of KI to:
 - (1) Ensure Security personnel on post to read and follow package instructions.
 - (2) Ensure Security personnel on post read and sign Attachment 2, Security Potassium Iodide (KI) Distribution and Ingestion Information.

5.3 Follow-Up Actions

1. Perform whole body counts on personnel who are suspected of, or who have been exposed to radioiodine.
2. Evaluate any potential uptakes per AD-RP-ALL-4010, Internal Dose Assessment.

6.0 RECORDS

1. Attachment 1, Potassium Iodide (KI) Distribution and Ingestion Information
2. Attachment 2, Security Potassium Iodide (KI) Distribution and Ingestion Information

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7.0 REFERENCES

7.1 Commitments

None

7.2 Procedures

1. AD-RP-ALL-4010, Internal Dose Assessment

7.3 Miscellaneous Documents

1. 10CFR20, Standards for Protection Against Radiation
2. EPA 400-R-92-001, Manual of Protective Action Guides And Protective Actions For Nuclear Incidents
3. Federal Register, Consideration of Potassium Iodide in Emergency Plans, January 19, 2001
4. National Council on Radiation Protection, Report 161, parts I and II, Management of Persons Contaminated with Radionuclides, Scientific and Technical Bases (2008)
5. OE 17970, KI Sensitivity Impacts ERO

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Security Potassium Iodide (KI) Distribution and Ingestion Information

Date: _____ Time: _____

KI Lot #: _____ [Note 1] Expiration Date: _____

Name (Printed): _____ RP Badge #: _____

Signature below signifies the following:

- I understand the use of KI is voluntary
- I have read and understood KI packaging information
- I have no known allergy to iodine (e.g., shellfish)
- I have no known pre-existing thyroid conditions such as Grave's disease, thyroid nodules or Hashimoto's thyroiditis, Dermatitis herpetiformis, Hypocomplementric vasculitis, Nodular thyroid disease with heart disease
- I have been given one 14 tablet package of the drug KI (Potassium Iodide) at 130 mg each
- I have been informed to take one KI tablet for 10 consecutive days or until directed by RP to suspend ingestion.

[Note 1] Enter declined if KI is refused.

Name (Signature): _____

Reviewed by (Signature): _____ Date _____

Return to Radiation Protection for review and record retention.

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ATTACHMENT 3
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Potassium Iodide (KI) Effectiveness

1. The effectiveness of Potassium Iodide is as follows:
 - a. 90% effective if taken immediately prior to or concurrent with exposure to radioactive iodine.
 - b. 50% effective if taken within 3 to 4 hours following exposure.
 - c. Less effective if taken more than 24 hours following exposure but still significant enough to warrant administration.



NUCLEAR OPERATING FLEET
ADMINISTRATIVE PROCEDURE

AD-EP-ALL-0406

**DUKE EMERGENCY MANAGEMENT NETWORK
(DEMNET)**

REVISION 0

Effective Dates:

05/21/2015
Brunswick

05/21/2015
Catawba

06/22/2015
Harris (HNP)

05/21/2015
McGuire

05/21/2015
Oconee

09/17/2015
Robinson

05/21/2015
NGO

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REVISION SUMMARY
PRR 687612
DESCRIPTION
This is a new fleet procedure.

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1.0 PURPOSE

1. This procedure describes the Duke Emergency Management Network (DEMNET).

2.0 SCOPE

1. This procedure applies to operating Duke Energy Nuclear Sites.
2. This procedure provides instructions for operating the DEMNET system.
3. This procedure provides guidance to conduct periodic communications checks in accordance with site-specific procedures.

3.0 DEFINITIONS

1. **Comlabs:** The vendor who provides service to DEMNET under the brand name Emergency Management Network (EMNet).
2. **Decision:** A type of communication used by Offsite Response Organizations (OROs) for determining mitigative and tactical strategies. DEMNET is used by Duke Energy and the OROs to discuss Protective Action Recommendations (PARs) and make decisions regarding them.
3. **Decision Line All Call (DL-ALL Call):** Group Calling function that calls all devices in the DL-ALL Call (Plant Name DL-All Call) Group for the associated plant, including Warning Points (WPs) and Emergency Operations Centers (EOCs). This includes all locations that have DL-All Call capabilities for the associated plant.
4. **Decision Line EOC Only (DL-EOC Only):** Group Calling function that calls all devices in the Decision Line EOC Only (Plant Name DL-EOC Only) Group for the associated plant except the WPs.
5. **DEMNET:** Enables Emergency Response Facilities (ERFs) (Control Rooms), Technical Support Centers (TSC), Emergency Operations Facilities (EOF), Simulator Control Rooms and alternate ERFs from each of Duke Energy's nuclear plants in North and South Carolina to communicate with required OROs and with each other. DEMNET is comprised of two paths of communication, a primary and an alternate mode. These paths of communication can be any type of internet connection (e.g., DSL, T-1 broadband) or satellite connectivity. The primary mode is usually a Local Network (LAN) connection. The alternate mode is usually via satellite uplink. The alternate mode could be another LAN-type connection.

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3.0 DEFINITIONS (continued)

6. **Ethernet Phone:** A type of phone used in a DEMNET system. Ethernet phones house a small computer and a touch screen display which is used to initiate actions associated with the use of the DEMNET Ethernet phone.
7. **Network:** The total of all DEMNET devices located within Duke Energy ERFs and each site's ORO facilities.
8. **Notify:** Group calling function that calls all devices in the Notify Call (Plant Name-Notify) Group for the associated plant, including Warning Points (WPs) and Emergency Operations Centers (EOCs). DEMNET is the primary communication system used to inform OROs regarding conditions at the plant.
9. **System:** The total of all DEMNET components in a given location. This typically includes a satellite dish and modem, internet connection and modem, a DEMNET computer with a Universal Serial Bus (USB) phone, and, as applicable to the specific location, one or more Ethernet phones. Other components that support or enable the operation of the system (i.e., firewalls, switches, connectors, primary and backup power sources, etc.) are also considered to be part of a DEMNET system.
10. **Universal Serial Bus (USB) Phone:** A type of phone used in a DEMNET system. DEMNET USB phones are connected directly to a DEMNET computer. The computer touch screen display is used to initiate actions associated with the use of the DEMNET USB phone.

4.0 RESPONSIBILITIES

4.1 Emergency Communicator

1. Communicates to the Offsite Response Organizations (ORO).
2. Maintains required training and qualifications per site specific procedures.

4.2 Site and Fleet Emergency Preparedness Staff

1. Ensures periodic testing and monitoring of DEMNET for applicable site and ERFs in accordance with applicable procedures.
2. Coordinates repairs as needed.

4.3 Telecommunications Technicians

1. Monitor DEMNET system and network for applicable sites and ERFs.
2. Coordinate maintenance and repairs of the system and network as needed.

5.0 INSTRUCTIONS

5.1 General Information

1. Site and Fleet procedures for using and testing DEMNET are listed in the references of this procedure.
2. Depending on the site and the Emergency Response Facility (ERF), the Emergency Communicator may be called:
 - Control Room Emergency Communicator
 - Offsite Communicator
 - Offsite Agency Communicator
 - TSC Offsite Communicator
 - Communications Manager
 - Communications Director
 - EOF Offsite Agency Communicator
3. DEMNET is used in accordance with applicable procedures, (as listed in Section 7.2) by trained and qualified emergency communications personnel within the ERF responsible for making offsite notifications.
4. DEMNET is used during the following:
 - Nuclear plant emergencies
 - Emergency Response Organization (ERO) drills and exercises
 - Periodic testing of communication equipment
5. DEMNET is the primary communication method used by Duke Energy to promptly notify Offsite Response Organizations (OROs) of a nuclear plant emergency.
6. DEMNET can be used by OROs to discuss Protective Action Recommendations (PARs) between ORO counties and the nuclear plant.

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5.1 General Information (continued)

7. The following designations are found on DEMNET display screens:
 - An orange colored oval button indicates a pre-designated group to be called (Plant Name 'Notify' or Plant Name 'DL-All Call' or 'Plant Name 'DL-EOC Only')
 - A blue colored oval button indicates an available and functional device
 - A flashing green colored oval button indicates the location or locations calling or being called (Point-to-point and pre-designated group calls)
 - A solid green colored oval button indicates the locations connected to or lines that are currently in use (Point-to-point and pre-designated group calls)
 - A red colored oval button indicates those locations that are participating in a custom group call
 - A gray colored oval button screen indicates an out of service device
 - On DEMNET Ethernet phone display screens, icons that look like file folders are available for plant devices and ORO devices for each site. By selecting a folder, additional oval buttons will be displayed
8. DEMNET computers and Ethernet phones are configured to display the buttons for each of Duke Energy's operating nuclear sites. DEMNET users must ensure they are using the buttons associated with the appropriate nuclear site.
9. To assist the user, DEMNET computers and Ethernet phones display various text labeled buttons and prompts for the user to select to perform desired functions.

NOTE

- Failover from primary mode to alternate mode is automatic and will drop the call in progress.
- The call will have to be re-established.

10. DEMNET can operate on either the primary mode of communication or alternate mode of communication path.
 - a. If one of the modes is available and DEMNET is able to perform its intended function, then consider DEMNET to be operational.
 - b. If a failed primary or alternate mode is discovered, then initiate efforts to restore.

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5.2 Operating DEMNET

5.2.1 Initiating a Pre-Designated Group Call from a DEMNET Computer

1. If initiating a pre-designated group call from a DEMNET computer display screen, then **ensure** the buttons for the appropriate nuclear site are displayed and perform the following steps:
 - a. **Select** the orange oval group button. (Plant Name 'Notify' or Plant Name 'DL-All CALL' or Plant Name 'DL-EOC Only').
 - A prompt will appear on the screen asking if the user wants to **connect** the call.
 - b. **Select** 'Yes'
 - When desired locations are connected, then the oval buttons will **turn** to solid green.
 - c. **Lift** handset.
 - d. **Press AND hold** the push-to-talk (PTT) button. (Handset can be released and placed into speaker mode when not verbally communicating).
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call when communication is complete.
 - (4) **Select** 'Yes' from the screen prompt or allow the call to terminate by timing out
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.2 Initiating a Point-to-Point Call from a DEMNET Computer

1. If initiating a point-to-point call from a DEMNET computer display screen, then **ensure** the buttons for the appropriate location and device are displayed. **Perform** the following steps:
 - a. **Select** the blue oval button for the location to be called.
 - A prompt will appear on the screen asking if the user wants to connect the call.

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5.2.2 Initiating a Point-to-Point Call from a DEMNET Computer (continued)

- b. **Select 'Yes'.**
 - When desired party is on the line, the oval button for the party will turn solid green.
- c. **Lift** handset.
- d. **Press AND hold** the PTT button. (Handset can be released and placed into speaker mode when not verbally communicating).
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call.
 - (4) **Select 'Yes'** from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.3 Initiating a Custom Conference Call from a DEMNET Computer

1. If initiating a custom conference call from a DEMNET computer, then **ensure** the buttons for the appropriate location and device are displayed and **perform** the following steps:
 - a. **Select** the Custom Conference icon located near the top of the computer screen. The icon is in the shape of a megaphone or bull horn.
 - The Custom Conference icon will turn red
 - b. **Select** two or more oval buttons for the locations to include in the Custom Conference.
 - The selected buttons will begin to blink
 - c. **Select** the Custom Conference icon again.
 - A prompt will appear on the screen asking if the user wants to connect the call

5.2.3 Initiating a Custom Conference Call from a DEMNET Computer (continued)

- d. **Select 'Yes'.**
 - When desired locations are connected, then the oval buttons will turn to red
- e. **Lift** handset.
- f. **Press AND hold** the push-to-talk (PTT) button. (Handset can be released and placed into speaker mode when not verbally communicating).
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call.
 - (4) **Select 'Yes'** from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.4 Answering a DEMNET Call from a DEMNET Computer

1. If answering a call from a DEMNET computer display screen, then **perform** the following steps:
 - a. **Select** the flashing green oval button (optional).
 - b. **Observe** oval button changing from flashing green to solid green (optional).
 - c. **Lift** handset.
 - d. **Press AND hold** PTT button. (Handset can be released and placed into speaker mode when not verbally communicating).
 - (1) **Announce** presence on the line.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call.

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5.2.4 Answering a DEMNET Call from a DEMNET Computer (continued)

- (4) **Select** 'Yes' from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.5 Initiating a Pre-Designated Group Call from a DEMNET Ethernet Phone

1. If initiating a pre-designated group call from a DEMNET Ethernet phone, then ensure the appropriate nuclear site is displayed and perform the following steps:
 - a. **Select** the orange oval group button. (Plant Name 'Notify' or Plant Name 'DL- All Call' or Plant Name 'DL- EOC Only').
 - A prompt will appear on the screen asking if the user wants to connect the call
 - b. **Select** 'Yes'
 - (1) As the call is being connected, the 'Call In Progress' screen will be displayed
 - (2) The 'Call In Progress' screen will display call status information (i.e., 'Connected to 'Plant Name' Notify'), speaker volume controls, a 'Push-To-Talk' bar, a 'Hangup' button, and a 'Home' button which will return the display to the file folder icon screen
 - c. **Lift** handset.
 - d. **Press AND hold** the push-to-talk (PTT) button. (Handset can be released and placed into speaker mode when not verbally communicating)
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call.
 - (4) **Select** 'Yes' from the screen prompt or **allow** the call to terminate by timing out.
 - (a) The 'Hangup' button near the top of the screen may also be used.

5.2.6 Initiating a Point-to-Point Call from a DEMNET Ethernet Phone

1. If initiating a point-to-point call from a DEMNET Ethernet phone, then **ensure** the appropriate locations and devices are displayed and **perform** the following steps:
 - a. **Select** the file folder icon from the display screen for the desired location. (Plant Name 'Devices') or Plant Name 'ORO Devices').
 - b. **Select** the blue oval button for the device to be called.
 - A prompt will appear on the screen asking if the user wants to connect the call
 - c. **Select** 'Yes'.
 - (1) As the call is being connected, the 'Call In Progress' screen will be displayed
 - (2) The 'Call In Progress' screen will display call status information (i.e., 'Connected to 'Plant Name' Notify'), speaker volume control, a 'Push-To-Talk' bar, a 'Hangup' button. and a 'Home' button which will return the display to the file folder icon screen.
 - d. **Lift** handset.
 - e. **Press AND hold** the PTT button. (Handset can be released and placed into speaker mode when not verbally communicating)>
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.
 - (3) **Return** handset to device cradle to terminate the call.
 - (4) **Select** 'Yes' from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

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5.2.7 Initiating a Custom Conference Call from a DEMNET Ethernet Phone

1. If initiating a Custom Conference Call from a DEMNET Ethernet phone, then **ensure** the folder icons for the appropriate location are displayed and **perform** the following steps:
 - a. **Select** the Custom Conference icon located near the top of the display screen. The icon is in the shape of a megaphone or bull horn.
 - The Custom Conference icon will turn red.
 - b. **Select** the file folder icon from the display screen (Plant Name 'Devices' or Plant Name 'ORO Devices') that contains the buttons for the locations desired to participate in the Custom Conference Call.
 - c. **Select** two or more oval buttons for the locations to include in the Custom Conference.
 - The selected buttons will begin to blink.
 - d. **Press** the 'Home' button to return to the 'Home' screen.
 - e. **Select** the Custom Conference icon again.
 - A prompt will appear on the screen asking if the user wants to connect the call.
 - f. **Select** 'Yes'.
 - (1) As the call is being connected, the 'Call In Progress' screen will be displayed
 - (2) The 'Call In Progress' screen will display call status information speaker volume controls, a 'Push-To-Talk' bar, a 'Hangup' button, and a 'Home' button which will return the display to the file folder icon screen.
 - g. **Lift** handset.
 - h. **Press AND hold** the push-to-talk (PTT) button. (Handset can be released and placed into speaker mode when not verbally communicating).
 - (1) **Speak** into mouthpiece on handset.
 - (2) **Release** PTT button when not speaking or when communication is complete.

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5.2.7 Initiating a Custom Conference Call from a DEMNET Ethernet Phone (continued)

- (3) **Return** handset to device cradle to terminate the call.
- (4) **Select** 'Yes' from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.8 Answering a DEMNET Call from a DEMNET Ethernet Phone

1. If answering a call from a DEMNET Ethernet phone, then **perform** the following steps:
 - a. **Lift** handset.
 - b. **Press AND hold** PTT button.
 - (1) **Announce** presence on the line.
 - (2) **Release** PTT button when not speaking.
 - (3) **Return** handset to device cradle to terminate the call.
 - (4) **Select** 'Yes' from the screen prompt or allow the call to terminate by timing out.
 - (a) The 'Click to Hang Up' button near the top of the screen may also be used.

5.2.9 Utilizing the Speaker Phone Function from a DEMNET Ethernet Phone

1. If utilizing the DEMNET optional speaker phone function for hands-free listening, then **perform** the following steps:
 - a. **Establish** an incoming or outgoing call, with the handset remaining in the device, as outlined in Section 5.2.1 through Section 5.2.7.
 - (1) The built-in speaker will activate.

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5.2.9 Utilizing the Speaker Phone Function from a DEMNET Ethernet Phone (continued)

- b. If using an Ethernet phone, then **press** the 'Push-to-Talk' bar that appears on the display screen.
- c. To terminate the call, **select** the "Click to Hang Up" button near the top of the DEMNET computer screen or the 'Hangup' button on the Ethernet phone display screen.

5.3 Testing DEMNET

1. The structure and frequency of DEMNET system and network testing will be in accordance with applicable procedures as listed in Section 7.2 of this procedure.
2. If testing of the DEMNET system or network results in a determination that each device being tested is able to transmit and receive a clear and understandable communication to and from each device being tested, then document that testing has been successful.

5.4 Maintaining DEMNET

1. DEMNET is classified as Equipment Important To Emergency Response (EITER). Ensure a high priority is assigned for any system or network repairs that may be needed.
2. If a DEMNET system or network failure **CANNOT** be readily corrected, then initiate a service request through the Duke Energy Enterprise Help Desk.
3. To ensure fleet-wide consistency, any system or network DEMNET configuration changes must be coordinated between Corporate Emergency Preparedness and Corporate Telecommunications.
4. Certain maintenance related activities may require interface with the DEMNET computer or Ethernet phones. These activities may need to be performed with guidance provided by Comlabs Customer Support.
 - Comlabs Customer Support can be reached by calling (321) 409-9898 or (321) 255-7403 (Option 1).

6.0 RECORDS

1. No records are generated by this procedure.

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7.0 REFERENCES

7.1 Commitments

None

7.2 Procedures

1. [BNP] OPEP-02.6.21, Emergency Communicator
2. [BNP] OPEP-03.1.3, Use of Communication Equipment
3. [BNP] OPEP-04.2, Emergency Facilities and Equipment
4. [CNS, MNS, ONS] SR/0/A/2000/004, Communicating with OROs from EOF
5. [CNS, MNS, ONS] ST/0/A/4600/086, Standard Procedure for Periodic Verification of EOF Equipment and Equipment Supply Inventory
6. [CNS, MNS, ONS] ST/0/A/4600/094, Standard Procedure for Periodic Test of the EOF DEMNET, ENS and ETS
7. [CNS] PT/0/B/4600/005/A, Monthly Communications Verifications
8. [CNS] PT/0/B/4600/005/B, Quarterly Communications Verifications
9. [CNS] PT/0/B/4600/005/C, Annual Communications Verifications
10. [CNS] RP/0/A/5000/006/A, Notification to States and Counties from the Control Room
11. [CNS] RP/0/A/5000/006/B, Notification to States and Counties from the TSC
12. [HNP] EPM-410, Communication and Facility Performance Tests
13. [HNP] PEP-310, Notifications and Communications
14. [MNS] PT/0/A/4600/089, Monthly Test of Onsite ERO Communications Equipment and Supplies
15. [MNS] PT/0/A/4600/117, Inspection of Alternate TSC/OSC Equipment
16. [MNS] RP/0/A/5700/018, Notifications to the State and Counties from the TSC
17. [MNS] RP/0/A/5700/029, Notifications to Offsite Agencies from the Control Room
18. [ONS] PT/0/A/2000/002, Periodic Test of Emergency Response Communications Equipment

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7.2 Procedures (continued)

19. [ONS] RP/0/A/1000/015 A, Offsite Communications from the Control Room
20. [ONS] RP/0/A/1000/015 B, Offsite Communications from the TSC
21. [RNP] EPNOT-01, CR/EOF Emergency Communicator
22. [RNP] EPPRO-02, Maintenance and Testing

7.3 Miscellaneous Documents

1. 10 CFR 50.47, Emergency Plans, (b)(5)
2. 10 CFR 50.47, Emergency Plans, (b)(6)
3. 10 CFR Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities, Appendix E, Section IV.D.1, Notification Procedures
4. 10 CFR Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities, Appendix E, Section IV.D.3
5. [BNP] 0ERP, Brunswick Nuclear Plant Radiological Emergency Response Plan
6. [BNP] EPL-001, Emergency Phone List
7. [CNS, MNS, ONS] EP Group Manual, Section 5.3.6, Emergency Response Telephone Directory
8. [CNS] Emergency Plan
9. [HNP] EPL-001, Emergency Phone List
10. [HNP] PLP-201, Harris Nuclear Plant Emergency Plan
11. [MNS] Emergency Plan
12. [MNS] RP/0/A/5700/014, Emergency Telephone Directory
13. NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants, Section II.F, Emergency Communications
14. NUREG-0696, Functional Criteria for Emergency Response Facilities, Section 2.7, Communications (TSC)
15. NUREG-0696, Functional Criteria for Emergency Response Facilities, Section 4.6, Communications (EOF)

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7.3 Miscellaneous Documents (continued)

- 16. [ONS] Emergency Plan
- 17. [ONS] Emergency Telephone Directory
- 18. [RNP] ERO Phone Book
- 19. [RNP] PLP-007, Robinson Nuclear Plant Emergency Plan

List of Acronyms and Abbreviations Used in Attachments

ACP	Auxiliary Control Panel
AEF	Alternate Emergency Facility
Alt.	Alternate
DL-All Call	Decision Line - All Call
DL-EOC	Decision Line - EOC Only
EM	Emergency Management
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EP	Emergency Preparedness or Emergency Planning
ERF	Emergency Response Facility
JIC	Joint Information Center
MCR	Main Control Room
ORO	Offsite Response Organization
RERF	Remote Emergency Response Facility
SCR	Simulator Control Room
TSC	Technical Support Center
WP	Warning Point

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ATTACHMENT 2

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[BNP] DEMNET Button Layout and Logic

1. The layout and logic shown in Table 1. Notify Layout and Logic, Attachment 2 Table 2. Decision Layout and Logic All Call, and Table 3, Decision Layout and Logic EOC Only, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Table 1. Notify Layout and Logic, Attachment 2 Table 2. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Table 1. Notify Layout and Logic, Attachment 2 Table 2. Decision Layout and Logic All Call, and Table 3, Decision Layout and Logic EOC Only, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'BNP Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that BNP is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, then the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.
10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.

[BNP] DEMNET Button Layout and Logic

11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 1. Notify Layout and Logic

Devices That Initiate BNP Notify Group Call	Devices That Receive BNP Notify Group Call
Device or Button Name (5-Digit Extension) (Button Long Name)	Device or Button Name (5-Digit Extension) (Button Long Name)
BNP AEF~PH. Talker (37619) (BNP Alternate Emergency Facility Phone Talker)	Brun Cnty~ Dep. Dir. (37319) (Brunswick County Deputy Director)
BNP EOF~PH. Talker1 (37603) (BNP Emergency Operations Facility Phone Talker 1)	Brun Cnty~Coor Ofc (37518) (Brunswick County Coordinator Office)
BNP~EOF(37715) (BNP Emergency Operations Facility)	Brun Cnty~Dir Ofc (37519) (Brunswick County Director Office)
BNP~MCR (37712) (BNP Main Control Room)	Brun Cnty~EOC NTFY (37019) (Brunswick County Emergency Operations Center Notify)
BNP~Sim CR (37714) (BNP Simulator Control Room)	Brun Cnty~WP (37219) (Brunswick County Warning Point)
BNP~TSC (37713) (BNP Technical Support Center)	NC Alt EOC~BNP NTFY(37741)(North Carolina Alternate Emergency Operations Center BNP Notify)
BNP EOF~PH. Talker2 (37711) (BNP Emergency Operations Facility Phone Talker 2)	NC WP~BNP NTFY (37742) (North Carolina Warning Point BNP Notify)
	NC Alt WP~BNP NTFY (37740) (North Carolina Alternate Warning Point BNP Notify)
	New Hnvr~EM Ofc NTFY (37374) (New Hanover Emergency Management Office Notify)
	New Hnvr~Siren Rm (37074) (New Hanover Siren Room)
	New Hnvr~WP (37274) (New Hanover Warning Point)
	USCG (37731) (United States Coast Guard)

[BNP] DEMNET Button Layout and Logic

13. Attachment 2 Table 2. Decision Layout and Logic All Call, contains DL-ALL Call and Table 3, Decision Layout and Logic EOC Only, contains DL-EOC Only devices identified to participate in Decision calls.
14. An individual device in Attachment 2 Table 2. Decision Layout and Logic All Call, and Table 3, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
15. An individual location can initiate a Decision call to multiple locations by selecting the 'BNP DL-ALL Call' or 'BNP DL-EOC Only' button.
16. Table 3, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 2. Decision Layout and Logic All Call

Devices That Initiate BNP Decision Line-All Call (DL-ALL Call) Group Call	Devices That Receive BNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)	CEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707)(Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707)(Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~NC State DL (37702)(Common Emergency Operations Facility North Carolina Decision Line)	CEOF Liasn~NC State DL (37702)(Common Emergency Operations Facility North Carolina Decision Line)
CEOF Liasn~Cnty DL (37703)(Common Emergency Operations Facility County Liaison Decision Line)	CEOF Liasn~Cnty DL (37703)(Common Emergency Operations Facility County Liaison Decision Line)
BNP AEF~St Liasn (37727) (BNP Alternate Emergency Facility State Liaison)	BNP AEF~St Liasn (37727) (BNP Alternate Emergency Facility State Liaison)
BNP~EOF St Liasn (37716) (BNP Emergency Operations Facility State Liaison)	BNP~EOF St Liasn (37716) (BNP Emergency Operations Facility State Liaison)
Brun Cnty~ Dep. Dir. (37319) (Brunswick County Deputy Director)	Brun Cnty~ Dep. Dir. (37319) (Brunswick County Deputy Director)
Brun Cnty~Coor Ofc (37518) (Brunswick County Coordinator Office)	Brun Cnty~Coor Ofc (37518) (Brunswick County Coordinator Office)
Brun Cnty~Dir Ofc (37519) (Brunswick County Director Office)	Brun Cnty~Dir Ofc (37519) (Brunswick County Director Office)
Brun Cnty~EOC-DL (37419) (Brunswick County Emergency Operations Center-Decision Line)	Brun Cnty~EOC-DL (37419) (Brunswick County Emergency Operations Center-Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)	NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)

[BNP] DEMNET Button Layout and Logic

Devices That Initiate BNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NNC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NNC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Branch Regional Coordination Center Alternate)
New Hnvr~EOC DL (37474) (New Hanover Emergency Operations Center Decision Line)

Devices That Receive BNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503)(North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Branch Regional Coordination Center Alternate)
New Hnvr~EOC DL (37474) (New Hanover Emergency Operations Center Decision Line)

17. An individual device in Attachment 2 Table 2. Decision Layout and Logic All Call and Table 3, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the 'BNP DL-ALL Call' or 'BNP DL-EOC Only' button.
19. Attachment 2 Table 2. Decision Layout and Logic All Call contains DL-ALL Call and Table 3, Decision Layout and Logic EOC Only, contains DL-EOC Only devices identified to participate in Decision calls.
20. Table 3, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

[BNP] DEMNET Button Layout and Logic

Table 3, Decision Layout and Logic EOC Only

Devices That Initiate BNP Decision Line-EOC Only (DL-EOC Only) Group Call	Devices That Receive BNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)	CCEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707)(Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707)(Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~NC State DL (37702)(Common Emergency Operations Facility North Carolina Decision Line)	CEOF Liasn~NC State DL (37702)(Common Emergency Operations Facility North Carolina Decision Line)
CEOF Liasn~Cnty DL (37703)(Common Emergency Operations Facility County Liaison Decision Line)	CEOF Liasn~Cnty DL (37703)(Common Emergency Operations Facility County Liaison Decision Line)
BNP AEF~St Liasn (37727) (BNP Alternate Emergency Facility State Liaison)	BNP AEF~St Liasn (37727) (BNP Alternate Emergency Facility State Liaison)
BNP~EOF St Liasn (37716) (BNP Emergency Operations Facility State Liaison)	BNP~EOF St Liasn (37716) (BNP Emergency Operations Facility State Liaison)
Brun Cnty~ Dep. Dir. (37319) (Brunswick County Deputy Director)	Brun Cnty~ Dep. Dir. (37319) (Brunswick County Deputy Director)
Brun Cnty~Coor Ofc (37518) (Brunswick County Coordinator Office)	Brun Cnty~Coor Ofc (37518) (Brunswick County Coordinator Office)
Brun Cnty~Dir Ofc (37519) (Brunswick County Director Office)	Brun Cnty~Dir Ofc (37519) (Brunswick County Director Office)
Brun Cnty~EOC-DL (37419) (Brunswick County Emergency Operations Center-Decision Line)	Brun Cnty~EOC-DL (37419) (Brunswick County Emergency Operations Center-Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)	NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)	NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)	NNC Cent~Brch RCC (37520)(North Carolina Central Branch Regional Coordination Center)
NC Alt WP~CNS NTFY (37004)(North Carolina Alternate Warning Point CNS Notify)	NC East~Brch RCC (37521)(North Carolina Eastern Branch Regional Coordination Center)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)	NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)	NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)	NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)	New Hnvr~EOC DL (37474) (New Hanover Emergency Operations Center Decision Line)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)	NC West~RCC Alt (37522) (North Carolina Western Branch Regional Coordination Center Alternate)

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[BNP] DEMNET Button Layout and Logic

Devices That Initiate BNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
New Hnvr~EOC DL (37474) (New Hanover Emergency Operations Center Decision Line)
NC West~Brch RCC (37523)(North Carolina Western Branch Regional Coordination Center)

Devices That Receive BNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)

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ATTACHMENT 3

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[CNS] DEMNET Button Layout and Logic

1. The layout and logic shown in Attachment 3 Table 4. Notify Layout and Logic, Attachment 3 Table 5. Decision Layout and Logic All Call, and Table 6, Decision Layout and Logic All Call, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Attachment 3 Table 4. Notify Layout and Logic, Attachment 3 Table 5. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Attachment 3 Table 4. Notify Layout and Logic, Attachment 3 Table 5. Decision Layout and Logic All Call, and Table 6, Decision Layout and Logic All Call, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'CNS Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that CNS is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.
10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.

[CNS] DEMNET Button Layout and Logic

11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 4. Notify Layout and Logic

Devices That Initiate CNS Notify Group Call	Devices That Receive CNS Notify Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CNS EP~Mgr NTFY (45722) (CNS Emergency Preparedness Manager Notify)	CNS EP~Mgr NTFY (45722) (CNS Emergency Preparedness Manager Notify)
CNS~MCR (45611) (CNS Main Control Room)	NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
CNS~Sim CR (45726) (CNS Simulator Control Room)	Gaston~Alt WP-1 (37607) (Gaston Alternate Warning Point-1)
CNS~TSC-1 (45731) (CNS Technical Support Center-1)	Gaston WP~CNS NTFY (37245) (Gaston Warning Point CNS Notify)
CNS~TSC-2 (45723) (CNS Technical Support Center-2)	NC Alt EOC~CNS NTFY (37200) (North Carolina Alternate Emergency Operations Center CNS Notify)
CEOF Offst~Comm 1 (37600) (Common Emergency Operations Facility Offsite Communicator-1)	NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)
CEOF Offst~Comm 2 (37700) (Common Emergency Operations Facility Offsite Communicator-2)	SC Alt WP~CNS NTFY (45201) (South Carolina Alternate Warning Point CNS Notify)
CEOF Offst~Comm 3 (37708) (Common Emergency Operations Facility Offsite Communicator-3)	SC WP~CNS NTFY (45600) (South Carolina Warning Point CNS Notify)
	York~EOC (45655) (York Emergency Operations Center)
	York~WP (45755) (York Warning Point)
	York EM~Ofc NTFY(45756) (York Emergency Management Office Notify)
	Meck Alt~WP CNS (37069) (Mecklenburg Alternate Warning Point CNS)
	Meck WP~CNS NTFY(37605) (Mecklenburg Warning Point CNS Notify)
	Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)

[CNS] DEMNET Button Layout and Logic

13. An individual device in Attachment 3 Table 5. Decision Layout and Logic All Call, and Table 6, Decision Layout and Logic All Call, can initiate a point-to-point call to any other network device.
14. An individual location can initiate a Decision call to multiple locations by selecting the CNS 'DL- All Call ' or CNS 'DL-EOC Only' button.
15. Attachment 3 Table 5. Decision Layout and Logic All Call, contains DL-ALL Call and Table 6, Decision Layout and Logic All Call, contains DL-EOC Only devices identified to participate in Decision calls.
16. Table 6, Decision Layout and Logic All Call, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line

Table 5. Decision Layout and Logic All Call

Devices That Initiate CNS Decision Line-All Call (DL-ALL Call) Group Call	Devices That Receive CNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)	CEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)
CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility Liaison North Carolina State Decision Line)	CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility Liaison North Carolina State Decision Line)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)	NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)	NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004)(North Carolina Alternate Warning Point CNS Notify)	NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)	NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)	NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)	NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)	NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)	NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)

[CNS] DEMNET Button Layout and Logic

Devices That Initiate CNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Cherokee~Comm DL (45020) (Cherokee Communications Decision Line)
Cherokee~Dir DL (45220) (Cherokee Director Decision Line)
Chester~Comm DL(45021) (Chester Communications Decision Line)
Chester~EOC DL(45221) (Chester Emergency Operations Center Decision Line)
Civland~Dir DL (37032) (Cleveland Director Decision Line)
Civland~911 Ctr (37232)(Cleveland 911 Center)
CNS EP~Mgr DL (45730) (CNS Emergency Preparedness Manager Decision Line)
Lancaster~Comm DL(45038) (Lancaster Communications Decision Line)
Lancaster~Dir DL (45238) (Lancaster Director Decision Line)
Union NC~EOC DL(37099) (Union North Carolina Emergency Operations Center Decision Line)
Union NC~Ccom DL (37299) (Union North Carolina Center Communciations Decision Line)
Union SC~EOC DL (45053) (Union South Carolina Emergency Operations Center Decision Line)
Union SC~Dir DL (45253) (Union South Carolina Director Decision Line)
York~EOC (45655) (York Emergency Operations Center)
York EM~Ofc NTFY(45756) (York Emergency Management Office Notify)
York EOC~Sit Rm DL(45757) (York Emergency Operations Center Situation Room Decision Line)
CEOF Liasn~Cnty DL (37703) (Emergency Operations Facility Liaison County Decision Line)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)

Devices That Receive CNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NNC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522)(North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Cherokee~Comm DL (45020) (Cherokee Communications Decision Line)
Cherokee~Dir DL (45220) (Cherokee Director Decision Line)
Chester~Comm DL(45021) (Chester Communications Decision Line)
Chester~EOC DL(45221) (Chester Emergency Operations Center Decision Line)
Civland~Dir DL (37032)(Cleveland Director Decision Line)
Civland~911 Ctr (37232)(Cleveland 911 Center)
CNS EP~Mgr DL (45730) (CNS Emergency Preparedness Manager Decision Line)
Lancaster~Comm DL(45038) (Lancaster Communications Decision Line)
Lancaster~Dir DL (45238) (Lancaster Director Decision Line)
Union NC~EOC DL(37099) (Union North Carolina Emergency Operations Center Decision Line)
Union NC~Ccom DL (37299) (Union North Carolina Center Communciations Decision Line)
Union SC~EOC DL (45053) (Union South Carolina Emergency Operations Center Decision Line)
Union SC~Dir DL (45253) (Union South Carolina Director Decision Line)
York~EOC (45655) (York Emergency Operations Center)
York EM~Ofc NTFY(45756) (York Emergency Management Office Notify)
York EOC~Sit Rm DL(45757) (York Emergency Operations Center Situation Room Decision Line)
CEOF Liasn~Cnty DL (37703) (Emergency Operations Facility Liaison County Decision Line)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)

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Devices That Initiate CNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Meck Alt~WP CNS (37069) (Mecklenburg Alternate Warning Point CNS)
Meck WP~CNS NTFY(37605) (Mecklenburg Warning Point CNS Notify)
Meck Alt~WP MNS (37743) (Mecklenburg Alternate Warning Point MNS)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Meck~EOC MNS (37469) (Mecklenburg Emergency Operations Center MNS)
Meck WP~MNS NTFY (37705) (Mecklenburg Warning Point Notify)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SC WP~DL (45758) (South Carolina Warning Point Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
NWS~Ops. (45951) (National Weather Service Operations)

Devices That Receive CNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Meck Alt~WP CNS (37069) (Mecklenburg Alternate Warning Point CNS)
Meck WP~CNS NTFY(37605) (Mecklenburg Warning Point CNS Notify)
Meck Alt~WP MNS (37743) (Mecklenburg Alternate Warning Point MNS)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Meck~EOC MNS (37469) (Mecklenburg Emergency Operations Center MNS)
Meck WP~MNS NTFY (37705) (Mecklenburg Warning Point Notify)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SC WP~DL (45758) (South Carolina Warning Point Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
NWS~Ops. (45951) (National Weather Service Operations)

17. An individual device in Attachment 3 Table 5. Decision Layout and Logic All Call, and Table 6, Decision Layout and Logic All Call, can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the CNS 'DL- All Call ' or CNS 'DL-EOC Only' button.

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[CNS] DEMNET Button Layout and Logic

19. Attachment 3 Table 5. Decision Layout and Logic All Call, contains DL-ALL Call and Table 6, Decision Layout and Logic All Call, EOC Only contains DL-EOC Only devices identified to participate in Decision calls.
20. Table 6, Decision Layout and Logic All Call, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

[CNS] DEMNET Button Layout and Logic

Table 6, Decision Layout and Logic All Call

Devices That Initiate CNS Decision Line-EOC Only (DL-EOC Only) Group Call	Devices That Receive CNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)	CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility Liaison North Carolina State Decision Line)	CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility Liaison North Carolina State Decision Line)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)	NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)	NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)	NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)	NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)	NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)	NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)	NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)	Cherokee~Comm DL (45020) (Cherokee Communications Decision Line)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)	Cherokee~Dir DL (45220) (Cherokee Director Decision Line)
Cherokee~Comm DL (45020) (Cherokee Communications Decision Line)	Chester~Comm DL(45021) (Chester Communications Decision Line)
Cherokee~Dir DL (45220) (Cherokee Director Decision Line)	Chester~EOC DL(45221) (Chester Emergency Operations Center Decision Line)
Chester~Comm DL(45021) (Chester Communications Decision Line)	Civland~Dir DL (37032) (Cleveland Director Decision Line)
Chester~EOC DL(45221) (Chester Emergency Operations Center Decision Line)	CNS EP~Mgr DL (45730) (CNS Emergency Preparedness Manager Decision Line)
Civland~Dir DL (37032) (Cleveland Director Decision Line)	Lancaster~Comm DL(45038) (Lancaster Communications Decision Line)
CNS EP~Mgr DL (45730) (CNS Emergency Preparedness Manager Decision Line)	Lancaster~Dir DL (45238) (Lancaster Director Decision Line)
Lancaster~Comm DL(45038) (Lancaster Communications Decision Line)	Union NC~EOC DL(37099) (Union North Carolina Emergency Operations Center Decision Line)
Lancaster~Dir DL (45238) (Lancaster Director Decision Line)	Union SC~EOC DL (45053) (Union South Carolina Emergency Operations Center Decision Line)

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[CNS] DEMNET Button Layout and Logic

Devices That Initiate CNS Decision Line-EOC Only (DL-EOC Only) Group Call	Devices That Receive CNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
Union SC~EOC DL (45053) (Union South Carolina Emergency Operations Center Decision Line)	York~EOC (45655) (York Emergency Operations Center)
Union SC~Dir DL (45253) (Union South Carolina Director Decision Line)	York EOC~Sit Rm DL(45757) (York Emergency Operations Center Situation Room Decision Line)
York~EOC (45655) (York Emergency Operations Center)	York EM~Ofc NTFY(45756) (York Emergency Management Office Notify)
York EOC~Sit Rm DL(45757) (York Emergency Operations Center Situation Room Decision Line)	CEOF Liasn~Cnty DL (37703) (Emergency Operations Facility Liaison County Decision Line)
York EM~Ofc NTFY(45756) (York Emergency Management Office Notify)	Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
CEOF Liasn~Cnty DL (37703) (Emergency Operations Facility Liaison County Decision Line)	Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)	Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)	Meck~EOC MNS (37469) (Mecklenburg Emergency Operations Center MNS)
Meck Alt~WP CNS (37069) (Mecklenburg Alternate Warning Point CNS)	CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
Meck WP~CNS NTFY(37605) (Mecklenburg Warning Point CNS Notify)	SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)	SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
Meck~EOC MNS (37469) (Mecklenburg Emergency Operations Center MNS)	
Meck WP~MNS NTFY (37705) (Mecklenburg Warning Point Notify)	
Meck Alt~WP MNS (37743) (Mecklenburg Alternate Warning Point MNS)	
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)	
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)	
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)	
SC WP~DL (45758) (South Carolina Warning Point Decision Line)	

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[HNP] DEMNET Button Layout and Logic

1. The layout and logic shown in Attachment 4 Table 7. Notify Layout and Logic, Attachment 4 Table 8. Decision Layout and Logic All Call, and Table 9, Decision Layout and Logic EOC Only, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Attachment 4 Table 7. Notify Layout and Logic, Attachment 4 Table 8. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Attachment 4 Table 7. Notify Layout and Logic, Attachment 4 Table 8. Decision Layout and Logic All Call, and Table 9, Decision Layout and Logic EOC Only, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'HNP Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that HNP is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.
10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.

[HNP] DEMNET Button Layout and Logic

11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 7. Notify Layout and Logic

Devices That Initiate HNP Notify Group Call
Device or Button Name (5-Digit Extension)
HNP EP~ Staff (37729) (HNP Emergency Preparedness Staff)
HNP On.~Comm Rm (37730) (HNP Onsite Communication Room)
HNP~TSC (37719) (HNP Technical Support Center)
HNP~ACP (37717) (HNP Alternate Control Panel)
HNP~MCR (37602) (HNP Main Control Room)
HNP~Sim CR (37720) (HNP Simulator Control Room)
HNP~EOF (37721) (HNP Emergency Operations Facility)

Devices That Receive HNP Notify Group Call
Device or Button Name (5-Digit Extension)
Chatham~Alt WP (37228) (Chatham Alternate Warning Point)
Chatham~Alt EOC NTFY (37735) (Chatham Alternate Emergency Operations Center Notify)
Chatham~EOC NTFY (37611) (Chatham Emergency Operations Center Notify)
Chatham~WP (37028) (Chatham Warning Point)
Chatham~EOC Comm (37328) (Chatham Emergency Operations Center Communications)
Chatham~Dir NTFY(37608) (Chatham Director Notify)
Harnett~Alt EOC NTFY (37552) (Harnett Alternate Emergency Operations Center Notify)
Harnett~EOC NTFY (37352) (Harnett Emergency Operations Center Notify)
Harnett~WP (37652) (Harnett Warning Point)
Lee NC~Alt WP (37262) (Lee North Carolina Alternate Warning Point)
Lee NC~WP (37062) (Lee North Carolina Warning Point)
Lee NC~ES NTFY (37452) (Lee North Carolina Emergency Services Notify)
Lee NC~ EOC NTFY(37462) (Lee North Carolina Emergency Operations Center Notify)
NC Alt EOC~HNP NTFY (37501) (North Carolina Alternate Emergency Operations Center Notify)
NC Alt WP~HNP NTFY (37304) (North Carolina Alternate Warning Point HNP Notify)
NC WP~HNP NTFY (37300) (North Carolina Warning Point HNP Notify)
Wake~Alt WP (37301) (Wake Alternate Warning Point)
Wake EOC~NTFY 1 (37101) (Wake Emergency Operations Center Notify 1)
Wake EOC~NTFY 2 (37736) (Wake Emergency Operations Center Notify 2)

[HNP] DEMNET Button Layout and Logic

Devices That Receive HNP Notify Group Call
Device or Button Name (5-Digit Extension)
Wake WP~NTFY 1 (37601) (Wake Warning Point Notify 1)
Wake WP~NTFY 2 (37733) (Wake Warning Point Notify 2)

13. An individual device in Attachment 4 Table 8. Decision Layout and Logic All Call, and Table 9, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
14. An individual location can initiate a Decision call to multiple locations by selecting the 'HNP DL-All Call' or 'HNP DL-EOC Only' button.
15. Attachment 4 Table 8. Decision Layout and Logic All Call, contains DL-ALL Call and Table 9, Decision Layout and Logic EOC Only, contains DL-EOC Only tables identified to participate in Decision calls.
16. Table 9, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 8. Decision Layout and Logic All Call

Devices That Initiate HNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)

Devices That Receive HNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706)(Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707)(Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~NC State DL (37702)(Common Emergency Operations Facility North Carolina Decision Line)
CEOF Liasn~Cnty DL (37703)(Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)

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Devices That Initiate HNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager Manager)
NC Cent~Brch RCC (37520) North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Chatham~EOC DL(37610) (Chatham Emergency Operations Center Decision Line)
Chatham~Alt EOC DL (37428) (Chatham Alternate Emergency Operations Center Decision Line)
Chatham~Dir Ofc DL (37609) (Chatham Director Office Decision Line)
Harnett~Alt EOC DL (37252)(Harnett Alternate Emergency Operations Center Decision Line)
Harnett~EOC DL (37052) (Harnett Emergency Operations Center Decision Line)
HNP EP~ Staff (37729) (HNP Emergency Preparedness Staff)
HNP~St Liasn (37718) (HNP HNP State Liaison)
Lee NC~EOC DL (37362) (Lee North Carolina Emergency Operations Center Decision Line)
Wake~EOC DL (37201) (Wake Emergency Operations Center Decision Line)

Devices That Receive HNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager Manager)
NC Cent~Brch RCC (37520) North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Chatham~EOC DL(37610) (Chatham Emergency Operations Center Decision Line)
Chatham~Alt EOC DL (37428) (Chatham Alternate Emergency Operations Center Decision Line)
Chatham~Dir Ofc DL (37609) (Chatham Director Office Decision Line)
Harnett~Alt EOC DL (37252) (Harnett Alternate Emergency Operations Center Decision Line)
Harnett~EOC DL (37052) (Harnett Emergency Operations Center Decision Line)
HNP EP~ Staff (37729) (HNP Emergency Preparedness Staff)
HNP~St Liasn (37718) (HNP HNP State Liaison)
Lee NC~EOC DL (37362) (Lee North Carolina Emergency Operations Center Decision Line)
Wake~EOC DL (37201) (Wake Emergency Operations Center Decision Line)

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[HNP] DEMNET Button Layout and Logic

17. An individual device in Table 9, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the 'HNP DL-All Call' or 'HNP DL-EOC Only' button.
19. Attachment 4 Table 8. Decision Layout and Logic All Call, contains DL-ALL Call and Table 9, Decision Layout and Logic EOC Only, contains DL-EOC Only tables identified to participate in Decision calls.
20. Table 9, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

[HNP] DEMNET Button Layout and Logic

Table 9, Decision Layout and Logic EOC Only

Devices That Initiate HNP Decision Line-EOC Only (DL-EOC Only) Group Call	Devices That Receive HNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)	CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)	CEOF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)	CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)	NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)	NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)	NC Cent~Brch RCC (37520) North Carolina Central Branch Regional Coordination Center)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)	NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC Cent~Brch RCC (37520) North Carolina Central Branch Regional Coordination Center)	NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)	NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)	NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)	Chatham~EOC DL(37610) (Chatham Emergency Operations Center Decision Line)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)	Chatham~Alt EOC DL (37428) (Chatham Alternate Emergency Operations Center Decision Line)
Chatham~EOC DL(37610) (Chatham Emergency Operations Center Decision Line)	Chatham~Dir Ofc DL (37609) (Chatham Director Office Decision Line)
Chatham~Alt EOC DL (37428) (Chatham Alternate Emergency Operations Center Decision Line)	Harnett~Alt EOC DL (37252) (Harnett Alternate Emergency Operations Center Decision Line)
Chatham~Dir Ofc DL (37609) (Chatham Director Office Decision Line)	Harnett~EOC DL (37052) (Harnett Emergency Operations Center Decision Line)
Harnett~Alt EOC DL (37252) (Harnett Alternate Emergency Operations Center Decision Line)	HNP EP~ Staff (37729) (HNP Emergency Preparedness Staff)
Harnett~EOC DL (37052) (Harnett Emergency Operations Center Decision Line)	HNP~St Liasn (37718) (HNP HNP State Liaison)
HNP EP~ Staff (37729) (HNP Emergency Preparedness Staff)	Lee NC~EOC DL (37362) (Lee North Carolina Emergency Operations Center Decision Line)
HNP~St Liasn (37718) (HNP HNP State Liaison)	Wake~EOC DL (37201) (Wake Emergency Operations Center Decision Line)

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[HNP] DEMNET Button Layout and Logic

Devices That Initiate HNP Decision Line-EOC Only
(DL-EOC Only) Group Call
Lee NC~EOC DL (37362) (Lee North Carolina Emergency Operations Center Decision Line)
Wake~EOC DL (37201) (Wake Emergency Operations Center Decision Line)

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[MNS] DEMNET Button Layout and Logic

1. The layout and logic shown in Attachment 5 Table 10. Notify Layout and Logic, Attachment 5 Table 11. Decision Layout and Logic All Call, and Table 12, Decision Layout and Logic EOC Only, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Attachment 5 Table 10. Notify Layout and Logic, Attachment 5 Table 11. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Attachment 5 Table 10. Notify Layout and Logic, Attachment 5 Table 11. Decision Layout and Logic All Call, and Table 12, Decision Layout and Logic EOC Only, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'MNS Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that MNS is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, then the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.
10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.

[MNS] DEMNET Button Layout and Logic

11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 10. Notify Layout and Logic

Devices That Initiate MNS Notify Group Call	Devices That Receive MNS Notify Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Offst~Comm 1 (37600) (Common Emergency Operations Facility Offsite Communicator-1)	Meck Alt~WP MNS (37743) (Mecklenburg Alternate Warning Point MNS)
CEOF Offst~Comm 2 (37700) (Common Emergency Operations Facility Offsite Communicator-2)	Meck~EOC MNS (37469) (Mecklenburg Emergency Operations Center MNS)
CEOF Offst~Comm 3 (37708) (Common Emergency Operations Facility Offsite Communicator-3)	Meck WP~MNS NTFY (37705) (Mecklenburg Warning Point Notify)
MNS~Alt. TSC (37723) (MNS Alternate Technical Support Center)	Cabarrus~WP (37222) (Cabarrus Warning Point)
MNS~MCR (37604) (MNS Main Control Room)	Cabarrus~EOC (37022) (Cabarrus Emergency Operations Center)
MNS~Sim CR (37724) (MNS Simulator Control Room)	Catawba~WP (37227) (Catawba Warning Point)
MNS~TSC (1) (37722) (MNS Technical Support Center-1)	Gaston ~Alt WP-2 (37744) (Gaston Alternate Warning Point-2)
MNS~TSC (2) (37725) (MNS Technical Support Center-2)	Gaston WP~MNS NTFY (37346) (Gaston Warning Point MNS Notify)
	Iredell~EOC NTFY (37058)(Iredell Emergency Operations Center Notify)
	Iredell~WP (37258) (Iredell Warning Point)
	Lincoln~EOC NTFY (37364) (Lincoln Emergency Operations Center Notify)
	Lincoln EOC~Annex Ofc (37464) (Lincoln Emergency Operations Center Annex Office)
	Lincoln WP~Console-2 (37739) (Lincoln Warning Point console-2)
	Lincoln WP~Coord Ofc (37064) (Lincoln Warning Point Coordinator Office)
	Lincoln WP~Console-4 (37264) (Lincoln Warning Point Console-4)
	Lincoln WP~Console-1 (37564) (Lincoln Warning Point Console-1)
	Lincoln WP~Console-3 (37764) (Lincoln Warning Point Console-3)
	NC Alt EOC~MNS NTFY (37500) (North Carolina Alternate Emergency Operations Center Notify)

[MNS] DEMNET Button Layout and Logic

Devices That Receive MNS Notify Group Call
Device or Button Name (5-Digit Extension)
NC Alt WP~MNS NTFY (37204) (North Carolina Alternate Warning Point MNS Notify)
NC WP~MNS NTFY (37400) (North Carolina Warning Point MNS Notify)

13. An individual device in Attachment 5 Table 10. Notify Layout and Logic, and Attachment 5 Table 11. Decision Layout and Logic All Call, can initiate a point-to-point call to any other network device.
14. An individual location can initiate a Decision call to multiple locations by selecting the 'MNS DL-All Call' or 'MNS EOC Only' button.
15. Attachment 5 Table 11. Decision Layout and Logic All Call contains DL-ALL Call and Table 12, Decision Layout and Logic EOC Only contains DL-EOC Only devices identified to participate in Decision calls.
16. Table 12, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 11. Decision Layout and Logic All Call

Devices That Initiate MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
CEOFF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOFF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOFF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOFF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)

Devices That Receive MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
CEOFF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOFF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOFF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOFF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)

[MNS] DEMNET Button Layout and Logic

Devices That Initiate MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523)(North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)
Meck Alt~WP CNS (37069) (Mecklenberg Alternate Warning Point CNS)
Meck~EOC MNS (37469) (Mecklenberg Emergency Operations Center MNS)
Meck WP~CNS NTFY(37605) (Mecklenberg Warning Point CNS Notify)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Meck WP~CNS NTFY (37605) (Mecklenburg Warning Point CNS)
Meck Alt~WP MNS (37743) (Mecklenberg Alternate Warning Point MNS)
Meck WP~MNS NTFY (37705) (Mecklenberg Warning Point Notify)
Cabarrus~EOC (37022) (Cabarrus Emergency Operations Center)
Catawba~EOC NTFY (37027) (Catawba Emergency Operations Center Notify)
Catawba~EOC DL (37738) (Catawba Emergency Operations Center Decision Line)

Devices That Receive MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
NC Cent~Brch Mgr (37620) (North Carolina Central Branch Manager)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch Mgr (37728) (North Carolina Eastern Branch Manager)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
NC West~RCC Alt (37522) (North Carolina Western Regional Coordination Center Alternate)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Meck Alt~WP CNS (37069) (Mecklenberg Alternate Warning Point CNS)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)
Meck~EOC MNS (37469) (Mecklenberg Emergency Operations Center MNS)
Meck WP~CNS NTFY(37605) (Mecklenberg Warning Point CNS Notify)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Meck WP~CNS NTFY (37605) (Mecklenburg Warning Point CNS)
Meck Alt~WP MNS (37743) (Mecklenberg Alternate Warning Point MNS)
Meck WP~MNS NTFY (37705) (Mecklenberg Warning Point Notify)
Cabarrus~EOC (37022) (Cabarrus Emergency Operations Center)
Catawba~EOC NTFY (37027) (Catawba Emergency Operations Center Notify)
Catawba~EOC DL (37738) (Catawba Emergency Operations Center Decision Line)

[MNS] DEMNET Button Layout and Logic

Devices That Initiate MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Iredell~EOC NTFY (37058) (Iredell Emergency Operations Center Notify)
Iredell~EOC DL (37358) (Iredell Emergency Operations Center Decision Line)
Lincoln~EOC DL (37365) (Lincoln Emergency Operations Center Decision Line)
NWS~Ops. (45951) (National Weather Service Operations)

Devices That Receive MNS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Iredell~EOC NTFY (37058) (Iredell Emergency Operations Center Notify)
Iredell~EOC DL (37358) (Iredell Emergency Operations Center Decision Line)
Lincoln~EOC DL (37365) (Lincoln Emergency Operations Center Decision Line)
NWS~Ops. (45951) (National Weather Service Operations)

17. An individual device in Attachment 5 Table 10. Notify Layout and Logic can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the 'MNS DL-All Call' or 'MNS EOC Only' button.
19. Attachment 5 Table 11. Decision Layout and Logic All Call contains DL-ALL Call and Table 12, Decision Layout and Logic EOC Only contains DL-EOC Only devices identified to participate in Decision calls.
20. Table 12, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 12, Decision Layout and Logic EOC Only

Devices That Initiate MNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEOEF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOEF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOEF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOEF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)

Devices That Receive MNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEOEF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOEF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOEF Liasn~NC State DL (37702) (Common Emergency Operations Facility North Carolina Decision Line)
CEOEF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
NC Alt EOC~Cmnd DL 1 (37504) (North Carolina Alternate Emergency Operations Center Command Decision Line 1)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)

[MNS] DEMNET Button Layout and Logic

Devices That Initiate MNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NC Alt WP~CNS NTFY (37004) (North Carolina Alternate Warning Point CNS Notify)
NC WP~CNS NTFY (37000) (North Carolina Warning Point CNS Notify)
NC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)
Meck Alt~WP CNS (37069) (Mecklenberg Alternate Warning Point CNS)
Meck~EOC MNS (37469) (Mecklenberg Emergency Operations Center MNS)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Meck WP~CNS NTFY (37605) (Mecklenburg Warning Point CNS)
Meck Alt~WP MNS (37743) (Mecklenberg Alternate Warning Point MNS)
Meck WP~MNS NTFY (37705) (Mecklenberg Warning Point Notify)
Cabarrus~EOC (37022) (Cabarrus Emergency Operations Center)
Catawba~EOC NTFY (37027) (Catawba Emergency Operations Center Notify)
Catawba~EOC DL (37738) (Catawba Emergency Operations Center Decision Line)
Iredell~EOC NTFY (37058) (Iredell Emergency Operations Center Notify)
Iredell~EOC DL (37358) (Iredell Emergency Operations Center Decision Line)

Devices That Receive MNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
NC Alt EOC~Cmnd Rm DL 2 (37505) (North Carolina Alternate Emergency Operations Center Command Room Decision Line 2)
NNC Cent~Brch RCC (37520) (North Carolina Central Branch Regional Coordination Center)
NC East~Brch RCC (37521) (North Carolina Eastern Branch Regional Coordination Center)
NC EOC~DL 1 (37503) (North Carolina Emergency Operations Center Decision Line 1)
NC EOC~DL 2 (37502) (North Carolina Emergency Operations Center Decision Line 2)
NC West~Brch RCC (37523) (North Carolina Western Branch Regional Coordination Center)
Gaston~EOC DL 1 (37345) (Gaston Emergency Operations Center Decision Line 1)
Gaston~EOC DL 2 (37045) (Gaston Emergency Operations Center Decision Line 2)
Meck~EOC MNS (37469) (Mecklenberg Emergency Operations Center MNS)
Meck~EOC CNS (37369) (Mecklenburg Emergency Operations Center CNS)
Cabarrus~EOC (37022) (Cabarrus Emergency Operations Center)
Catawba~EOC NTFY (37027) (Catawba Emergency Operations Center Notify)
Catawba~EOC DL (37738) (Catawba Emergency Operations Center Decision Line)
Iredell~EOC NTFY (37058) (Iredell Emergency Operations Center Notify)
Iredell~EOC DL (37358) (Iredell Emergency Operations Center Decision Line)
Lincoln~EOC DL (37365) (Lincoln Emergency Operations Center Decision Line)

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[MNS] DEMNET Button Layout and Logic

Devices That Initiate MNS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
Lincoln~EOC DL (37365)(Lincoln Emergency Operations Center Decision Line)

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ATTACHMENT 6

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[ONS] DEMNET Button Layout and Logic

1. The layout and logic shown in Attachment 6 Table 13. Notify Layout and Logic, Attachment 6 Table 14. Decision Layout and Logic All Call, and Table 15, Decision Layout and Logic EOC Only, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Attachment 6 Table 13. Notify Layout and Logic, Attachment 6 Table 14. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Attachment 6 Table 13. Notify Layout and Logic, Attachment 6 Table 14. Decision Layout and Logic All Call, and Table 15, Decision Layout and Logic EOC Only, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'ONS Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that ONS is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, then the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.
10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.

[ONS] DEMNET Button Layout and Logic

11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 13. Notify Layout and Logic

Devices That Initiate ONS Notify Group Call	Devices That Receive ONS Notify Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Offst~Comm 1 (37600) (Common Emergency Operations Facility Offsite Communicator-1)	ONS~EP Staff(45718) (ONS Emergency Preparedness Staff)
CEOF Offst~Comm 2 (37700) (Common Emergency Operations Facility Offsite Communicator-2)	Oconee~EOC DL (45046) (Oconee Emergency Operations Center Decision Line)
CEOF Offst~Comm 3 (37708) (Common Emergency Operations Facility Offsite Communicator-3)	Oconee~Dir DL (45246) (Oconee Director Decision Line)
ONS TSC (45716) (ONS Technical Support Center)	Oconee~WP (45346) (Oconee Warning Point)
ONS~Alt TSC (45717) (ONS Alternate Technical Support Center)	ONS JIC~Media Rm (45720) (ONS Joint Information Center Media Room)
ONS~EP Staff (45718) (ONS Emergency Preparedness)	ONS JIC~Asmbly Rm (45721) (ONS Joint Information Center Assembly Room)
ONS~MCR 1&2 (45612) (ONS Main Control Room 1 & 2)	Pickens~ Conf Rm (45248) (Pickens Conference Room)
ONS~MCR 3 (45715) (ONS Main Control Room 3)	Pickens~WP (45649) (Pickens Warning Point)
ONS~Sim CR A(45719) (ONS Simulator Control Room A)	SC Alt WP~ONS NTFY (45301) (South Carolina Alternate Warning Point ONS Notify)
ONS~Sim CR B(457) (ONS Simulator Control Room B)	SC WP~ONS NTFY (45500) (South Carolina Warning Point ONS Notify)

13. An individual device in Attachment 6 Table 14. Decision Layout and Logic All Call and Table 15, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
14. An individual location can initiate a Decision call to multiple locations by selecting the 'ONS DL-All Call' or 'ONS DL-EOC Only' button.
15. Attachment 6 Table 14. Decision Layout and Logic All Call contains DL-ALL Call and Table 15, Decision Layout and Logic EOC Only, contains DL-EOC Only devices identified to participate in Decision calls.
16. Attachment 6 Table 14. Decision Layout and Logic All Call contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

[ONS] DEMNET Button Layout and Logic

Table 14. Decision Layout and Logic All Call

Devices That Initiate ONS Decision Line-All Call (DL-ALL Call) Group Call	Devices That Receive ONS Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)	CCEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)	CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEOF Liasn~Cnty DL DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)	CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)	SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SC WP~DL (45758) (South Carolina Warning Point Decision Line)	SC WP~DL (45758) (South Carolina Warning Point Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)	SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)	SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
Oconee~EOC DL (45046) (Oconee Emergency Operations Center Decision Line)	Oconee~EOC DL (45046) (Oconee Emergency Operations Center Decision Line)
Oconee~Dir DL (45246) (Oconee Director Decision Line)	Oconee~Dir DL (45246) (Oconee Director Decision Line)
Oconee~WP DL (45446) (Oconee Warning Point Decision Line)	Oconee~WP DL (45446) (Oconee Warning Point Decision Line)
Pickens~Siren Rm (45048) (Pickens Siren Room)	Pickens~Siren Rm (45048) (Pickens Siren Room)
Pickens~WP Eqp Rm (45648) (Pickens Warning Point Equipment Room)	Pickens~WP Eqp Rm (45648) (Pickens Warning Point Equipment Room)

17. An individual device in Attachment 6 Table 14. Decision Layout and Logic All Call and Table 15, Decision Layout and Logic EOC Only, can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the 'ONS DL-All Call' or 'ONS DL-EOC Only' button.
19. Attachment 6 Table 14. Decision Layout and Logic All Call contains DL-ALL Call and Table 15, Decision Layout and Logic EOC Only, contains DL-EOC Only devices identified to participate in Decision calls.
20. Table 15, Decision Layout and Logic EOC Only, contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line

[ONS] DEMNET Button Layout and Logic

Table 15, Decision Layout and Logic EOC Only

Devices That Initiate ONS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEO of Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEO of ~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEO of Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEO of Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
Oconee~EOC DL (45046) (Oconee Emergency Operations Center Decision Line)
Oconee~Dir DL (45246) (Oconee Director Decision Line)
Pickens~Siren Rm (45048) (Pickens Siren Room)

Devices That Receive ONS Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEO of Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEO of ~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEO of Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEO of Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
Oconee~Dir DL (45246) (Oconee Director Decision Line)
Oconee~Dir DL (45246) (Oconee Director Decision Line)
Pickens~Siren Rm (45048) (Pickens Siren Room)

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[RNP] DEMNET Button Layout and Logic

1. The layout and logic shown in Attachment 7 Table 16. Notify Layout and Logic, Attachment 7 Table 17. Decision Layout and Logic All Call, and Table 18, Decision Layout and Logic EOC Only, is for illustrative purposes only.
2. The 'Notify' and 'Decision' layouts are depicted in two separate Tables to show how the layout is established. On a DEMNET computer screen display, the 'Notify' and 'Decision' buttons appear above the device names and locations they will call. On a DEMNET Ethernet phone display, the 'Notify' and 'Decision' buttons are located above folders on the home screen.
3. Deviations may exist between Attachment 7 Table 16. Notify Layout and Logic, Attachment 7 Table 17. Decision Layout and Logic All Call, and the current (live) DEMNET configuration.
4. The information in parenthesis in each box is the 5-digit extension for the particular device in Attachment 7 Table 16. Notify Layout and Logic, Attachment 7 Table 17. Decision Layout and Logic All Call, and Table 18, Decision Layout and Logic EOC Only, and is an identifier that may be needed when communicating with Comlabs regarding the DEMNET system at a particular location.
5. By selecting the 'RNP Notify' button, an individual location can initiate a group call to all devices in Receive column.
6. Notify Group Call contains the agencies that RNP is required to promptly notify in the event of a plant emergency.
7. Alternate locations (i.e., Alternate State Warning Point) are called when a 'Notify' group call is initiated. If an alternate location answers a 'Notify' call, then the location may drop from the call if during roll call they hear that their associated primary location is on the line.
8. When a call is initiated (either 'Notify' or 'Decision Line' call), then the receiving devices will ring until answered, up to a maximum of 90 seconds from the time the call was initiated. At any time during the ringing phase, a receiving device can join the call that is already in progress. Once the phones stop ringing, no additional devices can join the call in progress.
9. In the event it is needed, any device from this table can initiate a point-to-point call to any other device at any other Duke Energy Nuclear Plant or ORO.

[RNP] DEMNET Button Layout and Logic

10. In the event it is needed, any Plant Notify device from this table can initiate the 'Notify' function for another Duke Energy Nuclear Plant from the home screen, scrolling to the subsequent screens for the desired Plant location.
11. In the event of multiple incoming DEMNET calls to a location, any DEMNET phones within that facility that are not in use at the time will ring.
12. In the event a device is involved in a Decision Line call, any incoming 'Notify' call will terminate the Decision Line call and cause the phone to ring for a 'Notify' call.

Table 16. Notify Layout and Logic

Devices That Initiate RNP Notify Group Call
Device or Button Name (5-Digit Extension)
RNP EOF~Cmnd Rm (45713) (RNP Emergency Operations Facility Command Room)
RNP EOF~Comm Rm (45610) (RNP Emergency Operations Facility Communications Room)
RNP RERF~Mail Rm (45727) (RNP Remote Emergency Response Facility Mail Room)
RNP RERF~TelCo Rm (45620) (RNP Remote Emergency Response Facility Telecommunications Room)
RNP~MCR (45729) (RNP Main Control Room)
RNP~Sim CR (45712) (RNP Simulator Control Room)
RNP~TSC (45711) (RNP Technical Support Center)
RNP~WCC (45710) (RNP Work Control Center)

Devices That Receive RNP Notify Group Call
Device or Button Name (5-Digit Extension)
Chstrfld~EOC (45022) (Chesterfield Emergency Operations Center)
Chstrfld~WP-2 (45622) (Chesterfield Warning Point-2)
Chstrfld~WP-1 (45728) (Chesterfield Warning Point-1)
Dar Co~EOC-1 (45025) (Darlington County Emergency Operations Center-1)
Dar Co~Coor Ofc (45222) (Darlington County Coordinator Office)
Dar Co~EOC-2 (45225) (Darlington County Emergency Operations Center-2)
Dar Co~WP (45325) (Darlington County Warning Point)
Dar Co~Dir Ofc (45425) (Darlington County Directors Office)
Lee SC~ESF-2 Rm (45040) (Lee County South Carolina Emergency Support Function-2 Room)
Lee SC~FC Ofc-2 (45240) (Lee South Carolina Fire Chief Office-2)
Lee SC~FC Ofc-1 (45340) (Lee South Carolina Fire Chief Office-2)
Lee SC WP~ Dsp Desk (45740) (Lee South Carolina Warning Point Dispatch Desk)
SC Alt~ WP-3 (45760) (South Carolina Alternate Warning Point-3)
SC WP~Ops Ctr-3 (45300) (South Carolina Warning Point Operations Center-3)

[RNP] DEMNET Button Layout and Logic

13. An individual device in Attachment 7 Table 16. Notify Layout and Logic, can initiate a point-to-point call to any other network device.
14. An individual location can initiate a Decision call to multiple locations by selecting the 'RNP DL-ALL Call' or 'RNP DL-EOC Only' button.
15. Attachment 7 Table 17. Decision Layout and Logic All Call, contains DL-ALL Call and Table 18, Decision Layout and Logic EOC Only, contains DL-EOC Only tables identified to participate in Decision calls.
16. Table 18, Decision Layout and Logic EOC Only contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 17. Decision Layout and Logic All Call

Devices That Initiate RNP Decision Line-All Call (DL-ALL Call) Group Call	Devices That Receive RNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)	Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)	CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)	CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)	CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)	CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SSC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)	SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)
SSC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)	SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)	SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
Chstrfld~EOC (45022) (Chesterfield Emergency Operations Center)	Chstrfld~EOC (45022) (Chesterfield Emergency Operations Center)
Chstrfld~WP-1 (45728) (Chesterfield Warning Point-1)	Chstrfld~WP-1 (45728) (Chesterfield Warning Point-1)
Dar Co~EOC-1 (45025) (Darlington County Emergency Operations Center-1)	Dar Co~EOC-1 (45025) (Darlington County Emergency Operations Center-1)
Dar Co~Coor Ofc (45222) (Darlington County Coordinator Office)	Dar Co~Coor Ofc (45222) (Darlington County Coordinator Office)
Dar Co~EOC-2 (45225) (Darlington County Emergency Operations Center-2)	Dar Co~EOC-2 (45225) (Darlington County Emergency Operations Center-2)
Dar Co~WP (45325) (Darlington County Warning Point)	Dar Co~WP (45325) (Darlington County Warning Point)

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[RNP] DEMNET Button Layout and Logic

Devices That Initiate RNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Dar Co~Dir Ofc (45425) (Darlington County Directors Office)
Lee SC~FC Ofc-1 (45340) (Lee South Carolina Fire Chief Office-2)
Lee SC~WP DL (45640) (Lee South Carolina Warning Point Decision Line)
RNP~St Liasn (45621) (RNP State Liaison)

Devices That Receive RNP Decision Line-All Call (DL-ALL Call) Group Call
Device or Button Name (5-Digit Extension)
Dar Co~Dir Ofc (45425) (Darlington County Directors Office)
Lee SC~FC Ofc-1 (45340) (Lee South Carolina Fire Chief Office-2)
Lee SC~WP DL (45640) (Lee South Carolina Warning Point Decision Line)
RNP~St Liasn (45621) (RNP State Liaison)

17. An individual device in Attachment 7 Table 16. Notify Layout and Logic, can initiate a point-to-point call to any other network device.
18. An individual location can initiate a Decision call to multiple locations by selecting the 'RNP DL-ALL Call' or 'RNP DL-EOC Only' button.
19. Attachment 7 Table 17. Decision Layout and Logic All Call contains DL-ALL Call and Table 18, Decision Layout and Logic EOC Only, contains DL-EOC Only tables identified to participate in Decision calls.
20. Table 18, Decision Layout and Logic EOC Only contains alternate locations that are called when a 'Decision' group call is initiated. If an alternate location answers a 'Decision' call, then they may drop from the call if during roll call they hear that their associated primary location is on the line.

Table 18, Decision Layout and Logic EOC Only

Devices That Initiate RNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)

Devices That Receive RNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
CEOF Asst~EOF-Dir (37706) (Common Emergency Operations Facility Assistant EOF Director)
CEOF~EOF-Dir DL (37707) (Common Emergency Operations Facility EOF Director Decision Line)
CEOF Liasn~SC State DL (37701) (Common Emergency Operations Facility South Carolina Decision Line)
CEOF Liasn~Cnty DL (37703) (Common Emergency Operations Facility County Liaison Decision Line)
SC EOC~Gov Con DL (45501) (South Carolina Emergency Operations Center Governor Conference Decision Line)

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Devices That Initiate RNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
SC WP~DL (45758) (South Carolina Warning Point Decision Line)
SC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
Chstrfld~EOC (45022) (Chesterfield Emergency Operations Center)
Chstrfld~WP-1 (45728) (Chesterfield Warning Point-1)
Dar Co~EOC-1 (45025) (Darlington County Emergency Operations Center-1)
Dar Co~Coor Ofc (45222) (Darlington County Coordinator Office)
Dar Co~EOC-2 (45225) (Darlington County Emergency Operations Center-2)
Dar Co~WP (45325) (Darlington County Warning Point)
Dar Co~Dir Ofc (45425) (Darlington County Directors Office)
Lee SC~FC Ofc-1 (45340) (Lee South Carolina Fire Chief Office-2)
Lee SC~WP DL (45640) (Lee South Carolina Warning Point Decision Line)
RNP~St Liasn (45621) (RNP State Liaison)

Devices That Receive RNP Decision Line-EOC Only (DL-EOC Only) Group Call
Device or Button Name (5-Digit Extension)
SSC EOC~Cmnd DL (45700) (South Carolina Emergency Operations Command Decision Line)
SC Alt~WP DL (45759) (South Carolina Alternate Warning Point Decision Line)
Chstrfld~EOC (45022) (Chesterfield Emergency Operations Center)
Dar Co~EOC-1 (45025) (Darlington County Emergency Operations Center-1)
Dar Co~Coor Ofc (45222) (Darlington County Coordinator Office)
Dar Co~EOC-2 (45225) (Darlington County Emergency Operations Center-2)
Dar Co~Dir Ofc (45425) (Darlington County Directors Office)
Lee SC~FC Ofc-1 (45340) (Lee South Carolina Fire Chief Office-2)
RNP~St Liasn (45621) (RNP State Liaison)