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ONS-2014-115

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September 11, 2014

10 CFR 50.54(q)

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

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station, Units 1, 2, and 3
Docket Nos. 50-269, -270, and -287
Emergency Plan Implementing Procedure Revision 2014-021

Please find attached for your use and review copies of the enclosed revisions along with the associated supporting documentation and 10 CFR 50.54(q) evaluation. These procedures are Emergency Plan Implementing Procedures.

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

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

Sincerely,

Scott L. Batson
Vice President
Oconee Nuclear Station

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

AXUS
NRC

U. S. Nuclear Regulatory Commission

September 11, 2014

xc: w/2 copies of attachments

Mr. Victor McCree, Regional Administrator
U.S. Nuclear Regulatory Commission - Region II
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, GA 30303-1257

w/copy of attachments

Mr. James R. Hall, Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North Mailstop O-8G9A
11555 Rockville Pike
Rockville, MD 20852-2738
(send via E-mail)

w/o attachments

Mr. Eddy Crowe
NRC Senior Resident Inspector
Oconee Nuclear Station

ELL
EC2ZF

August 14, 2014

OCONEE NUCLEAR STATION

SUBJECT: Emergency Plan Implementing Procedures
Volume C Revision 2014-021

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

REMOVE

Cover Sheet Rev. 2014-020

Table of Contents
Pages 1, 2, & 3

RP/0/B/1000/003 A Rev 012
RP/0/A/1000/019 Rev 005
RP/0/A/1000/037 Rev 001

INSERT

Cover Sheet Rev. 2014-021

Table of Contents
Pages 1, 2, & 3

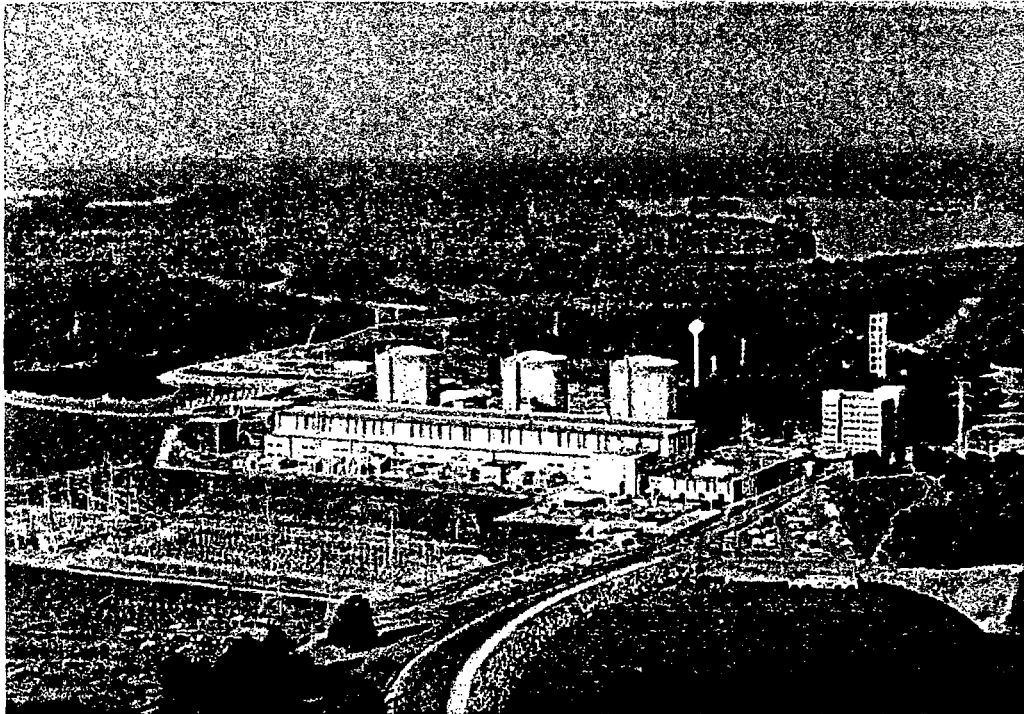
RP/0/A/1000/003 A Rev 000
RP/0/A/1000/019 Rev 006
RP/0/A/1000/037 Rev 002

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


Pat Street
ONS Emergency Planning Manager



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



APPROVED:



Terry L. Patterson
Director Nuclear Org Effectiveness



Date Approved

**VOLUME C
REVISION 2014-021
August 2014**

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HP/0/B/1009/018	Off-Site Dose Projections	Rev. 023
HP/0/B/1009/020	Estimating Food Chain Doses Under Post- Accident Conditions	Rev. 005
HP/0/B/1009/022	On-Shift Off-Site Dose Projections	Rev. 013
HP/0/B/1009/023	Radiation Protection Emergency Response	Rev. 000
HP/0/B/1009/026	Environmental Monitoring For Emergency Conditions	Rev. 000
RP/0/A/1000/001	Emergency Classification	Rev. 001
RP/0/A/1000/002	Control Room Emergency Coordinator Procedure	Rev. 005
RP/0/A/1000/003 A	ERDS Operation	Rev. 000
RP/0/A/1000/009	Procedure For Site Assembly	Rev. 002
RP/0/A/1000/010	Procedure For Emergency Evacuation/Relocation Of Site Personnel	Rev. 001
RP/0/A/1000/015 A	Offsite Communications From The Control Room	Rev. 002
RP/0/A/1000/015 B	Offsite Communications From The Technical Support Center	Rev. 001
RP/0/A/1000/016	MERT Activation Procedure For Medical, Confined Space, and High Angle Rescue Emergencies	Rev. 001
RP/0/A/1000/017	Spill Response	Rev. 002
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RP/0/A/1000/028	Nuclear Communications Emergency Response Plan	Rev. 000
RP/0/A/1000/029	Fire Brigade Response	Rev. 001
RP/0/A/1000/031	Joint Information Center Emergency Response Plan	Rev. 001
RP/0/A/1000/035	Severe Weather Preparations	Rev. 001
RP/0/A/1000/036	Equipment Important to Emergency Response	Rev. 001
RP/0/A/1000/037	Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines	Rev. 002
SR/0/A/2000/001	Standard Procedure For Corporate Communications Response To The Emergency Operations Facility	Rev. 000
SR/0/B/2000/002	Standard Procedure for EOF Services	Rev. 006
SR/0/A/2000/003	Activation of the Emergency Operations Facility	Rev. 000
SR/0/A/2000/004	Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee	Rev. 000
Business Management	Business Management Emergency Plan	Rev. 012
SSG Functional Area Directive 102	SSG Emergency Response Plan – ONS Specific	Rev. 008
SCD – 110	Supply Chain Directive 110 – SCO Emergency Response Plan	Rev. 004
Engineering Manual 5.1	Engineering Emergency Response Plan	Rev. 032
Human Resources Procedure	ONS Human Resources Emergency Plan	10/13/2004

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Safety Assurance Directive 6.2	Emergency Contingency Plan	Rev. 006
Training Division DTS-007	Oconee Training Division Training Standard	Rev. 018

Duke Energy
Oconee Nuclear Station
ERDS Operation

Procedure No.

RP/0/A/1000/003 A

Revision No.

000

Electronic Reference No.

OP009ADL

Reference Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

*Printed Name and Signature

Remarks (attach additional pages, if necessary)

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

Printed Date: *08/13/2014*

Enclosure No.: *FULL*



Revision No.: *000*



Procedure No.: *RP/0/A/1000/003 A*



ERDS Operation

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

1. Symptoms

An Alert, Site Area Emergency, or General Emergency has been declared and ERDS is required to provide data to the NRC. ERDS is to be started within one (1) hour of the emergency declaration.

2. Immediate Actions

☐ 2.1 ERDS Activation

☐ 2.1.1 ERDS Operation Started By: _____

NOTE:

- ERDS can only be activated using the following business workstations: TSC NRC Communicator, TSC Operations, Unit 1 Control Room SRO, Unit 2 Control Room SRO, Unit 3 Control Room SRO, Process Computer Systems Unit 1 OAC Room or Process Computer Systems OOB Computer Room.
- ERDS activation is performed by an SRO or the TSC NRC Communicator.

- ☐ 2.1.2 If required refer to *KVM Usage Instructions* to login to user console and select the Business (**BUS**) workstation menu selection.
- ☐ 2.1.3 Log onto the TSC NRC Communicator Business (**BUS**) workstation or other authorized business workstations for ERDS activation using your normal network login id.
- ☐ 2.1.4 From the Windows Desktop, **Double-Click** on the ERDS Activation Icon to activate ERDS Link Control and Status Display.
- ☐ 2.1.5 Examine the OAC time information on the right side of the display and verify that OAC Time is current time and OAC Time Rate is anything other than zero (0) for each Unit to be activated.
- ☐ A. Unit 1
 - ☐ B. Unit 2
 - ☐ C. Unit 3

☐ 2.1.6 **IF** OAC time issues are experienced,

THEN go to step 2.1.9.

☐ 2.1.7 Select the Connect (Activate) Target Area with the mouse to initiate ERDS communication for each ONS Unit requiring activation.

☐ A. Record the Date and Time ERDS communication was initiated below:

Unit 1 Date _____ Time _____ Initials _____

Unit 2 Date _____ Time _____ Initials _____

Unit 3 Date _____ Time _____ Initials _____

NOTE:

- The Status Column can indicate **Connecting, Reconnecting, Connected, LINK Sent, Waiting for ACCEPT, ACCEPT Received, Waiting for INITIATE and Transmitting Data**. However, some responses may not have been seen during actual connection due to response time and update of display. The Status of **Transmitting Data** with Messages Sent incrementing indicates appropriate connectivity for communications.
- Other possible Statuses are:
Suspended -> NRC has suspended transmission temporarily.
Denied -> Plant's request for a connection has been denied by NRC.
- If the connection is lost for some reason, the Status Column will display Connecting then Reconnecting, followed by Connected, LINK Sent, Waiting for ACCEPT, ACCEPT Received, Waiting for INITIATE and Transmitting Data.

☐ 2.1.8 **VERIFY** that the ERDS Link Control and Status Display for each Unit activated, indicates Current Mode = Connect, Status = Transmitting Data and Messages Sent = "*Incrementing*".

☐ A. Unit 1

☐ B. Unit 2

☐ C. Unit 3

- ☐ 2.1.9 **IF** ERDS does not connect with the NRC after several minutes or activation problem experienced,

THEN Notify the NRC using the ENS Phone Line.

- ☐ A. Record the Date and Time of this notification.

Date _____ Time _____ Initials _____

- ☐ 2.1.10 **IF** Instructed by the NRC to restart ONS ERDS communication,

THEN Re-perform steps 2.1.7 and 2.1.8.

3. Subsequent Actions

- 3.1 **IF** required to return to your login screen

THEN refer to Steps 2.1.2, 2.1.3 and 2.1.4 for guidance

- 3.2 Stopping ERDS transmission after event termination.

NOTE: The Status Column should indicate Terminating followed by Disconnected.

- ☐ 3.2.1 On the ERDS Link Control and Status Display for ONS, Select the Disconnect (Deactivate) Target Area with the mouse to terminate ERDS communication for each ONS Unit activated.

A. Record the Date and Time ERDS communication was terminated below:

☐ Unit 1 Date _____ Time _____ Initials _____

☐ Unit 2 Date _____ Time _____ Initials _____

☐ Unit 3 Date _____ Time _____ Initials _____

- ☐ 3.2.2 **VERIFY** that the ERDS Link Control and Status Display for each Unit activated, indicates Current Mode = Disconnect, Status = Disconnected and Messages Sent = 0.

☐ A. Unit 1

☐ B. Unit 2

☐ C. Unit 3

PROCEDURE PROCESS RECORDRevision No. 000**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title ERDS OPERATION
- (4) Prepared By Natalie Harness Date 7/16/2014
 Prepared By & Mentor* John Kaminski Date 7/16/2014
- (5) Requires NSD 228 Applicability Determination?
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☒ No (Creates procedure RP/0/A/1000/003A, Rev 000 with revised Safety Classification)
- (6) Reviewed By* Donna A. Crail (QR)(KI) Date 8/13/14
 Cross-Disciplinary Review By* _____ (QR)(KI) NA Date 8/13/14
 Reactivity Mgmt Review By* _____ (QR) NA Date 8/13/14
 Mgmt Involvement Review By* _____ (Ops. Supt.) NA Date 8/13/14
- (7) Additional Reviews
 Reviewed By* _____ Date _____
 Reviewed By* _____ Date _____
- (8) Approved By* Patricia M. Stages Date 8/13/14

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

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

COMPLETION

- (11) Procedure Completion Verification:
☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?
☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
☐ Yes ☐ NA Required enclosures attached?
☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?
☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?
☐ Yes ☐ NA Procedure requirements met?
 Verified By* _____ Date _____
- (12) Procedure Completion Approved _____ Date _____
- (13) Remarks (Attach additional pages, if necessary)
 Printed Name and Signature _____

PROCEDURE PROCESS RECORD

Revision No. 000

Procedure Title: ERDS OPERATION

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

Creates procedure RP/0/A/1000/003A, Rev 000 with revised Safety Classification

PCR Numbers Incorporated

NA

Enclosure

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

(1) ID No. RP/0/A/1000/003A

Revision No. 000

Change No.

Permanent/Restricted to

(2) Station: OCONEE NUCLEAR STATION

(3) Procedure Title: ERDS OPERATION

(4) Section(s) of Procedure Affected: Safety Classification Revision

(5) Requires NSD 228 Applicability Determination?

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

☒ No (Procedure change with minor changes)

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

To align our E-Plan implementing Procedures with NSD-703 permanent technical procedures requirements as determined by PIP O-12-1590, ONS Emergency Planning will revise the procedure titles (as procedure revisions become necessary) to incorporate the Safety Classification to "A" from "B".

(7) Reason for Change:

Safety Classification Revision: this change is to renumber/reclassify procedures from RP/0/B/1000/003A to RP/0/A/1000/003A, no changes to intent or content.

Reason for Change: NSD-703, Section 5.1, permanent technical procedures and used to direct station activities during operating, testing, refueling, maintenance, and modifications. These procedures provide guidance for activities that are of repetitive nature, or when conditions requiring the procedure may occur in the future and the procedure is essential if the situation occurs.

(8) Prepared By Natalie Harness  Date 7/16/2014

Prepared By & Mentor* John Kaminski  Date 7/16/2014

(9) Reviewed By* Dennis A. Crowl  (QR)(KI) Date 8/13/14

Cross-Disciplinary Review By* _____ (QR)(KI) NA see Date 8/13/14

Reactivity Mgmt. Review By* _____ (QR) NA see Date 8/13/14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA see Date 8/13/14

(10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

(11) Approved By* Pomlen M. Stacey  Date 8/13/14

* Printed Name and Signature

§50.54(q) Screening Evaluation Form**Activity Description and References:**

RP/0/B/1000/003A, Rev 012: SUPERSEDED
RP/0/A/1000/003A, Rev 000, ERDS OPERATION

Activity Description:

To align our E-Plan implementing Procedures with NSD-703 permanent technical procedures requirements as determined by PIP O-12-1590, ONS Emergency Planning will revise the procedure titles (as procedure revisions become necessary) to incorporate the Safety Classification to "A" from "B".

Reason for Change:

NSD-703, Section 5.1, permanent technical procedures and used to direct station activities during operating, testing, refueling, maintenance, and modifications. These procedures provide guidance for activities that are of repetitive nature, or when conditions requiring the procedure may occur in the future and the procedure is essential if the situation occurs.

Activity Scope:

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

Change Type:

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

Change Type:

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

Safety Classification Revision from "B" to "A"**Planning Standard Impact Determination:**

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

***Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

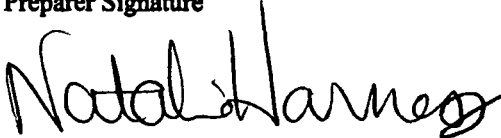
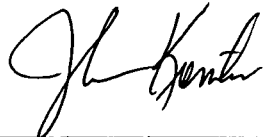
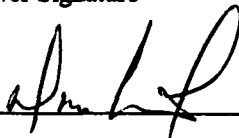
Commitment Impact Determination:

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

Results:

This title change is a result of an INOS PIP O-12-1590 making the determination that NSD-70, Section 5.1 requires all Emergency Response Procedures to be permanent technical procedures thus resulting in all ONS E-Plan Implementing Procedures having a Safety Classification designation letter of "A" and not "B" in the ID number of that procedure. This title revision in no way compromises the contents of the procedure or its effectiveness of use during an emergency event. Nor does this title ID change affect the required review period for this procedure of every 6 years. It has been determined that this revision will not reduce effectiveness of this emergency response procedure. The revision to the step number is an editorial change only. No changes to content or intent. This revision does not require a 50.54q effectiveness evaluation; there is not a reduction in the effectiveness of the E-Plan.

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

Preparer Name: Natalie Harness	Preparer Signature 	Date: 7/16/2014
Preparer Name: (Mentor) John Kaminski	Signature 	Date: 7/16/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/13/14

**Duke Energy
Oconee Nuclear Station
Technical Support Center Emergency Coordinator
Procedure**

Procedure No.

RP/0/A/1000/019

Revision No.

006

Electronic Reference No.

OP009A62

Reference Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

**Printed Name and Signature*

Remarks (attach additional pages, if necessary)

IMPORTANT: Do NOT mark on barcodes.

Printed Date: *08/13/2014*

Enclosure No.: *FULL*



Revision No.: *006*



Procedure No.: *RP/0/A/1000/019*



Technical Support Center Emergency Coordinator Procedure

NOTE:

- This procedure is an implementing procedure to the Oconee Nuclear Station Emergency Plan and must be:
 1. Reviewed in accordance with 10CFR50.54(q) prior to approval
 2. Forwarded to Emergency Planning within seven (7) working day of approval.
- For an outside line dial "9" and for long distance dial "1".

1. Symptoms

- 1.1 Conditions exist where events are in progress or have occurred which indicate a potential degradation in the level of safety of the plant and activation of the Emergency Response Organization (ERO) has been initiated.

2. Immediate Actions

- NOTE:**
- The makeup and structure of the ERO organization will be determined by the facility Manager/Coordinator. The facility organizations may be modified or supplemented as necessary to support the particular circumstances given to the existing onsite and offsite conditions. Consider the need for unit specific responses in the event of the implementation of Beyond Design Basis guidance (SAMG, EDMG, etc.) for more than one unit. Unit specific response teams with Ops Superintendent, Nuclear Engineer and an Engineering Manager should assemble in the TSC, and Unit Specific OSC Manager in the OSC as well as supporting craft personnel in the alternate TSC / OSC for unit specific response for each affected unit.
 - Vacant ERO positions may be filled with other plant staff members currently present in the facility AND who are specifically designated to fill the vacant position by the Emergency Coordinator. Individual(s) designated to fill a vacancy should be selected based upon experience and skills required to complete that ERO function. This is only a substitute designation for the unmanned ERO position and does NOT satisfy the requirement for the trained/qualified ERO position.

- NOTE:**
- Enclosure 4.2 contains listing of abbreviations/acronyms.
 - Actions in Sections 2.0 and 3.0 **are NOT** required to be followed in any particular sequence.
 - Place keeping aids: ☐ at left of steps may be used for procedure place keeping (☒). Major events are required to be documented in the TSC Emergency Coordinator Log.
 - Enclosure 4.8 lists steps which may be delegated to an Assistant Emergency Coordinator or Emergency Planner.

- ☐ 2.1 Establish, **OR** have the Assistant Emergency Coordinator/Emergency Planner establish, the Technical Support Center as operational by doing the following: {10}
- ☐ 2.1.1 Use the attached Enclosure 4.3 (TSC Personnel Log Sheets) for sign-in by all personnel reporting to the TSC. Assign responsibility to the Tech Assistant to the Emergency Coordinator.
- ☐ 2.1.2 Ensure **Names** are also listed on the TSC Personnel Status Board in the TSC.

NOTE: The TSC **must** assume turnover from the Control Room within **75 minutes** of the initiating Emergency Classification time.

- ☐ 2.1.3 Determine the following minimum staff requirements for TSC activation.

NAME

Emergency Coordinator	
Dose Assessment Liaison	
Nuclear Engineering	
Offsite Communicator	
Tech Assistant to the EC	

- NOTE:**
- GETS cards are available in the GETS Binder located in the TSC Supply Cabinet. Their use will enable communications when phone lines are busy or overloaded. See instructions on back of card.
 - For communications failures, see RP/0/A/1000/015B, Offsite Communications From The Technical Support Center, Enclosure 4.9 Alternate Method and Sequence to Contact Agencies.
 - Satellite Telephones are available in all Control Rooms, the TSC and the OSC. They can be used when other means of communication have failed. {27}

- ☐ 2.1.4 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the phone system is operational or make other provisions for communications. {10}
- ☐ 2.1.5 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the OSC is Operational. {10}
- ☐ 2.1.6 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that Technical Assistant to the Emergency Coordinator has started a log of TSC actions and activities. {10}
- ☐ 2.1.7 **IF** Activation of the Alternate TSC is required prior to completion of turnover with the OSM.

THEN REFER TO Step 1.0 of Enclosure 4.6 (Alternate TSC and/or OSC Activation). {31}

- 2.2 IF: Turnover has been completed from Control Room to EOF,
THEN: Acknowledge turnover complete,
Request: Plant status turnover from OSM, include the following:

Parameter	Unit 1	Unit 2	Unit 3
Rx Power			
Temp			
Pressure			
Issues needing help with			
SPOC working on			

- ☐ IF: Turnover has not yet been completed from Control Room to EOF:
THEN: Receive turnover from the Shift Manager using Enclosure 4.1, (Shift Manager to TSC Emergency Coordinator Turnover Sheet)

- ☐ 2.2.1 Determine if OSC is operational {22}
- ☐ 2.2.2 Determine if TSC Offsite Communicator has completed turnover with Control Room Offsite Communicator {21}
- ☐ 2.2.3 Declare TSC and OSC activated time _____

- ☐ 2.3 Determine the status of Site Accountability from the TSC Offsite Communicator.

NOTE: RP/0/A/1000/009, Procedure for Site Assembly, is initiated when site accountability is required and contains roles and responsibilities for site personnel in completing site accountability. {23}

- ☐ 2.3.1 Direct the TSC/OSC Liaison to have a **Search & Rescue Team** dispatched from the OSC if personnel within the Protected Area have not been accounted for by their group.
- ☐ 2.4 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the electronic status board is set up and that someone is available to maintain it. {10}
- ☐ 2.5 Discuss any off-site radiological concerns with the TSC Dose Assessment Liaison.
- ☐ 2.6 Activate **OR** have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System. {7}{10}
- ☐ 2.6.1 Flip the power switch UP on the PA system amplifier located inside the communications cabinet.
- ☐ 2.6.2 Depress the microphone switch and hold in position while making PA announcements.
- ☐ 2.6.3 Announce the following information over the TSC/OSC PA System:
- ☐ A. The current Emergency Classification level and plant status.
- ☐ B. As of _____(activation time), the TSC has assumed command and control of the event. {7}

☐ C. "Anyone who is reporting to this facility outside of your normal work hours and has consumed alcohol within the past five (5) hours or believes their work quality may be compromised due to fatigue, notify either the Emergency Coordinator in the TSC or the OSC Manager in the OSC."

{28}

☐ D. "Personnel should assume that areas are contaminated until surveyed by RP."

☐ E. "No eating or drinking, until the TSC and OSC are cleared by RP."

NOTE: Do NOT release personnel from Site Assembly until all site personnel are accounted for.
{32}

☐ 2.7 Turn office page over ride switch **ON**, **OR** have the Assistant Emergency Coordinator/ Emergency Planner turn the office page over ride switch **ON**. {10}

2.7.1 Dial **70** on the Emergency Coordinator's phone.

2.7.2 Announce the following information over the Plant Public Address System:

Drill Message:

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

This is a drill. This is a drill.

You have been assembled as a part of an emergency exercise. The simulated emergency conditions are _____

If this were a real emergency, you would be asked to remain assembled waiting on further information or given instructions to leave the site as part of an Early Dismissal or in accordance with our site evacuation plan. At this time, however, we will continue with the emergency exercise and personnel not actively participating in the drill may now return to your normal work assignments. I repeat.... personnel not actively participating in the drill may now return to your normal work assignments. This is a drill. This is a drill. Thank you for your participation.

Emergency Message:

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

This is an emergency message.

At the present time we have a(n) _____ emergency classification. The plant status is as follows _____

Please remain at your site assembly location until you receive further instructions. Information will be provided to you as conditions change.

- ☐ 2.8 Contact, **OR** have the Assistant Emergency Coordinator/Emergency Planner contact the State Director of Emergency Management at the SEOC. {10}

NAME**TELEPHONE NUMBER**

SDEM _____ (803) 737-8500

2.8.1 Inform the TSC Offsite Communicator whenever the SEOC is activated.

2.8.2 **IF** The SEOC has **NOT** been activated,

THEN Contact the County Directors of Emergency Management (CDEM) to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- ☐ 2.9 Perform the following concurrently.
1. Use Step 2.10 for emergency classification.
 2. Use Step 2.11 for turnover to the EOF Director.
 3. Use steps in 3.0 for tasks that must continue regardless of emergency classification.
 4. During a security event arrange for a qualified Emergency Coordinator to go to the near site Incident Command Post (ICP) to act as a liaison between the Incident Command Post and the TSC. (Ref. RP/0/A/1000/037)

(Step 2.10 on next page)

☐ 2.10 Review emergency classification and verify that it meets the criteria of RP/0/A/1000/001 (Emergency Classification).

- Discuss changing plant conditions with the Superintendent of Operations.
- Discuss emergency classification prior to making recommendations.
- Use the following definitions and provide the Event Prognosis to the Offsite Communicator for completing line #8 on the Emergency Notification Form. {14}

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

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

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

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

Stable: Plant conditions are neither degrading nor improving.

☐ 2.10.1 **IF** An Unusual Event Classification exists,

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is **NO** need to complete the follow-up message. 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.

- ☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions.

- Make the notification for the lesser emergency classification within 15 minutes.
- Inform the agencies that an upgrade in classification will be coming.
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration. {19}

- ☐ B. Notify counties/state within 15 minutes of event classification.

NOTE:

- NRC should be notified immediately after notification of Offsite Agencies **but NOT** later than **one (1) hour** after declaration of the emergency.
- Notification to the NRC of Security events is required within 15 minutes of initiation of the Security event.

- ☐ C. Announce over the Plant Public Address System,
 "A(n)_____ (Emergency Classification Level) has been
 declared for _____ (affected Unit). The current plant condition is

 (stable, degrading, improving, what has occurred, etc.)

- ☐ D. Notify NRC of event classification/Security event.

- Remind the TSC NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet prior to contacting the NRC.

NOTE:

- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.
- Enclosure 4.7 provides a description of Condition "A" and "B".
 {9}

- ☐ E. **IF** Condition "B" at Keowee exists,
- THEN** Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).

{4}{10}

- ☐ F. Discuss **OR** have the Assistant Emergency Coordinator discuss classification with State Director Emergency Management and County Director(s) Emergency Management. {10}

NAME

TELEPHONE NUMBER

State Director, Emergency Management	(803) 737-8500
---	----------------

Oconee County Director Emergency Management	(864) 638-4200
--	----------------

Pickens County Director Emergency Management	(864) 898-5943
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- ☐ G. **IF** An Unusual Event classification is being terminated

THEN **REFER TO** Enclosure 4.5, (Emergency Classification Termination Criteria) of this procedure for termination guidance.

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

- ☐ 1. Notify Emergency Preparedness that the Unusual Event has been terminated.
- ☐ 2. Emergency Preparedness shall hold a critique following termination of the Unusual Event.

(Step 2.10.2, Alert Classification on next page)

☐ 2.10.2 **IF** An Alert Classification exists,

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is no need to complete the follow-up message. 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.

☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions:

- Make the notification for the lesser emergency classification within 15 minutes
- Inform the agencies that an upgrade in classification will be coming
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration {19}

☐ B. Notify counties/state within 15 minutes of event classification

☐ C. Announce over the Plant Public Address System,

"A(n)_____ (Emergency Classification Level) has been declared for _____ (affected Unit). The current plant condition is

_____ (stable, degrading, improving, what has occurred, etc.)

☐ D. Follow Up Notifications (updates) are required a minimum of every 60 minutes

NOTE: Notification of the NRC of Security events is required within 15 minutes of the initiation of the Security event. {18}

☐ E. Notify NRC of event classification/Security event.

☐ F. Start ERDS -TSC NRC Communicator, - RP/0/A/1000/003A (ERDS Operation)

- ☐ G. Discuss, **OR** have the Assistant Emergency Coordinator discuss change in classification with the State Director of Emergency Management (SDEM) and County Directors of Emergency Management (CDEM) {10}

	<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM	_____	(803) 737-8500

1. **IF** The SEOC has not been activated,
THEN Contact the CDEM to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B". {9}

- ☐ H. **IF** Condition "B" at Keowee exists,
THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification). {4}{10}

- ☐ I. Evaluate with TSC personnel the need to conduct an Early Dismissal of non-essential site personnel. Take into consideration wind direction, Security concerns, potential for classification upgrade, and 24 hour staffing needs.

(Step 2.10.3, Site Area Emergency Classification on next page)

☐ 2.10.3 **IF** A Site Area Emergency Classification exists

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is no need to complete the follow-up message. 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.

☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions.

- Make the notification for the lesser emergency classification within 15 minutes
- Inform the agencies that an upgrade in classification will be coming
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration {19}

NOTE: A change in Protective Action Recommendations (PARs) has a fifteen (15) minute notification requirement following determination of the new or revised PARs. {15}

☐ B. Notify counties/state within 15 minutes of event classification

☐ C. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists

THEN Make the following protective action recommendations to

Oconee County and Pickens County for imminent/actual dam failure and include on the Emergency Notification Form under Section 5 (B) and (E):

1. Move residents living downstream of the Keowee Hydro Project dams to higher ground.
2. Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

- ☐ D. Announce over the Plant Public Address System,
"A(n) _____ (Emergency Classification Level) has been
declared for _____ (affected Unit). The current plant condition is

(stable, degrading, improving, what has occurred, etc.)
- ☐ E. Follow Up Notifications (updates) are required a minimum of every
60 minutes.

NOTE: Notification to the NRC of Security events is required within 15 minutes of the initiation
of the Security event. {17}

- ☐ F. Notify NRC of event classification/Security event.
- ☐ G. Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS
Operation).
- ☐ H. Discuss, **OR** have the Assistant Emergency Coordinator discuss change in
classification with SDEM and CDEM. {10}

<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM _____	(803) 737-8500
1. <u>IF</u> The SEOC has not been activated,	
<u>THEN</u> Contact the CDEM to discuss plant status.	
Oconee CDEM _____	(864) 638-4200
Pickens CDEM _____	(864) 898-5943

- ☐ I. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists
- THEN** **REFER TO OR** have the Assistant Emergency Coordinator
REFER TO Step 3.2. {10}

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B" {9}

☐ J. **IF** Condition "B" at Keowee exists

THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).
{4}{10}

☐ K. **IF** The site has sustained major damage

THEN Direct implementation of RP/0/A/1000/022, Procedure For Major Site Damage Assessment And Repair.

(Step 2.10.4, General Emergency Classification, on next page)

2.10.4 **IF** A General Emergency Classification exists,

THEN Initiate the following actions:

☐ A. Request TSC Dose Assessors to refer to RP/0/A/1000/024, Protective Action Recommendations, to determine protective actions.

☐ B. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists,

THEN Make the following protective action recommendations to Oconee County and Pickens County for imminent/actual dam failure and include on the Emergency Notification Form under Section 5 (B) and (E):

1. Move residents living downstream of the Keowee Hydro Project dams to higher ground.
2. Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

NOTE: A change in Protective Action Recommendations (PARs) has a fifteen (15) minute notification requirement following determination of the new or revised PARs. {15}

☐ C. Notify counties/state within 15 minutes of event classification

☐ D. Announce over the Plant Public Address System,
"A(n)_____ (Emergency Classification Level) has been
declared for _____ (affected Unit). The current plant condition is

(stable, degrading, improving, what has occurred, etc.)

☐ E. Follow Up Notifications (updates) are required a minimum of every 60 minutes.

NOTE: Notification to the NRC of Security events is required within 15 minutes of the initiation of the Security event. {18}

☐ F. Notify NRC of event classification/Security event.

☐ G. Start ERDS (TSC NRC Communicator - RP/0/A/1000/003 A (ERDS Operation)).

- ☐ H. Discuss or have the Assistant Emergency Coordinator Discuss change in classification and Protective Action Recommendations with SDEM and/or CDEM. Provide any known information concerning conditions that would make evacuation dangerous.

	<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM	_____	(803) 737-8500

1. **IF** The SEOC has not been activated,
THEN Contact the CDEM to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- ☐ I. **IF** Condition A, Dam Failure (Keowee or Jocassee) exists

THEN **REFER TO OR** have the Assistant Emergency Coordinator
REFER TO, Step 3.2. {10}

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B". {9}

- ☐ J. **IF** Condition "B" at Keowee exists,

THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).
{4}{10}

(Step 2.11 on next page)

NOTE: EOF Director will notify the Emergency Coordinator when the information has been received and establish a time for turnover. Turnover should be initiated **As Soon As Possible**. A goal of 30 minutes should be used to complete turnover after the EOF is declared *Operational*. {1}

☐ 2.11 Prepare for turnover with the EOF by performing the following:

2.11.1 Complete information in Enclosure 4.9, Emergency Coordinator Turnover Checklist.

2.11.2 Fax Enclosure 4.9 to the Charlotte EOF.

A. Provide Enclosure 4.9 to the TSC Offsite Communicator.

B. Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: (704)-382-1825.

☐ 2.12 **When** notified by the EOF Director that the EOF is operational, notify the following TSC personnel to exchange information with their counterpart in the EOF.

<u>TSC</u>	<u>EOF Counterpart</u>
TSC Dose Assessment Liaison	Radiological Assessment Manager
TSC Offsite Communicator	Lead Off-Site Agency Communicator
TSC/EOF OPS Liaison	Accident Assessment Manager

☐ 2.13 When notified by the EOF Director, conduct turnover with the EOF.

☐ 2.13.1 Emergency Coordinator turnover to EOF Director complete.

Time EOF Activated _____

☐ 2.13.2 Request NRC Communicator to notify the NRC EOC that the EOF is activated.

☐ 2.13.3 Make announcement to TSC/OSC that EOF is activated. {6}

3. Subsequent Actions

3.1 **IF** A Loss of Power, loss of SDS or other event occurs in which plant parameter data is unavailable

THEN Perform the following actions:

- ☐ 3.1.1 Locate copy(s) of the Plant Parameter Data Sheets for the affected units(s) in the procedure cart.
- ☐ 3.1.2 Request Operations Superintendent have someone manually collect plant parameter data from the Control Room(s) approximately every 15 minutes.
- ☐ 3.1.3 Provide plant parameter data to NRC Communicator, Engineering and anyone else who needs this information. {16}

☐ 3.2 **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists

THEN Perform **OR** have the Assistant Emergency Coordinator perform the following actions: {10}

3.2.1 **IF** Early Dismissal of non-essential site personnel has **NOT** occurred

THEN Notify OSC to implement RP/0/A/1000/010, Procedure For Emergency Evacuation/Relocation of Site Personnel.

☐ 3.2.2 Notify Hydro Central if Keowee Personnel are relocated to the OSC. {4}

☐ 3.2.3 Notify Hydro Central and provide information related to the event. Refer to the Emergency Telephone Directory. {4}

NOTE: A loss of offsite communications capabilities (Selective Signaling and the WAN) could occur within 1.5 hours after Keowee Hydro Dam failure. Rerouting of the fiber Optic Network through Bad Creek should be started **AS SOON AS POSSIBLE**.

☐ 3.2.4 **IF** The EOF is **NOT** activated

THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory.

☐ 3.2.5 Ensure Operations has dispatched operators to the SSF and established communications.

☐ 3.2.6 **WHEN** It is time for shift relief/turnover

THEN Coordinate orderly shift change of TSC Staff, maintaining oversight, decorum and noise levels.

1. Ensure turnover of TSC EC responsibilities includes the following:

- Review of event timeline (what occurred when and if known why)
- Review of command and control responsibilities (who is responsible for):
 - Classifications and declarations (also what EAL currently in)
 - State and Local Notifications (and when last done, when next due)
 - NRC Communications (and when last done, when next due)
 - PARs (and Status, any made, any in progress)
 - Accountability (status, any missing)
 - Evacuations (any done, any in progress)
 - Damage repairs in progress and/or completed.
- Review of staffing issues/concerns
- Review of release status
- Review core damage status
- Review any SAMGs, OSAGs, EOPs in progress

2. Make a PA announcement to the TSC and OSC stating the following:

"Attention in the TSC/OSC, This is _____(your name). I have assumed the TSC Emergency Coordinator as of _____(time)."

3. Notify State and Local agencies as well as NRC of the change in TSC EC.

☐ 3.3 **IF** A Security event occurs or is suspected

THEN Refer to Enclosure 4.10 for guidance on managing the Security event.

☐ 3.4 Periodically evaluate with TSC personnel the need to conduct evacuation. Log the status of this action on the TSC Status Board.

- NOTE:**
- Twenty-four (24) hour staffing **must be** accomplished prior to personnel being evacuated from the site per RP/0/A/1000/010 (Procedure for Emergency Evacuation/Relocation of Site Personnel).
 - Determine if personnel with special radiological exposure limits need to be evacuated (e.g.; declared pregnant women, personnel with radio-pharmaceutical limitations).

- ☐ 3.4.1 Consider the following for making Site Evacuation decisions:
- Alert - Evaluate actual plant conditions and determine if Early Dismissal of non-essential site personnel is the prudent thing to do.
 - Site Area Emergency - consider evacuation/relocation of non-essential site personnel. World of Energy personnel should be evacuated at the same time as non-essential personnel.
 - General Emergency - evacuate all non-essential personnel.
 - Notify the EOF anytime personnel are relocated on site or evacuated from the site.

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

{5}

- ☐ 3.5 Periodically evaluate the need to operate the outside air booster fans (Control Room Pressurization and Filter System - CRVS) with TSC personnel. Log status of this system on the TSC Status Board.

- NOTE:**
- Outside air booster fans are used to provide positive pressure in the Control Room/TSC/OSC to prevent smoke, toxic gas, or radioactivity from entering the area as required by NUREG 0737, Control Room Habitability.
 - Chlorine Monitor Alarm will either stop the outside air booster fans **OR** will not allow them to start.

- ☐ 3.5.1 **IF** Smoke/toxic gas in the Turbine Building or Auxiliary Building is expected to reach the Control Room

THEN Instruct the Control Room to turn **ON** the outside air booster fans.

Fans On _____ Time _____

- ☐ A. Request OSC to verify operability of the Control Room Ventilation System per OP/0/A/1104/019 (Control Room Ventilation System).

- ☐ 3.5.2 **IF** RIA-39 is in Alarm

THEN Verify that the Control Room has turned on the outside air booster fans.

☐ A. Request OSC to verify operability of the Control Room Ventilation System per OP/0/A/1104/019 (Control Room Ventilation System).

☐ B. Request backup air sample from the OSC to verify RIA alarm

☐ C. **IF** Air sample determines that RIA-39 alarm is not valid

THEN Secure outside air booster fans.

☐ D. **IF** Air sample determines that RIA-39 alarm is valid

THEN Isolate the source of airborne contamination to the Control Room/TSC/OSC.

☐ E. **IF** Dose levels in the Control Room/TSC/OSC are being increased by the addition of outside filtered air

THEN Secure outside air booster fans.

Fans Off _____ Time _____

☐ 3.6 Periodically evaluate the need to activate the Alternate TSC and/or OSC.

☐ 3.6.1 **IF** Activation of the Alternate TSC and/or OSC is required

THEN **REFER TO** Step 2.0 of Enclosure 4.6 (Alternate TSC and/or OSC Activation). {31}

☐ 3.6.2 Notify the EOF Director once relocation to the Alternate TSC is completed.

- Ensure continuous accountability of personnel when using the Alternate TSC and/or OSC. {31}

NOTE: The NRC will send a response team to the site at a Site Area or General Emergency Classification.

☐ 3.7 **IF** An NRC team is enroute,

THEN Assign a qualified Emergency Coordinator to be the NRC Site Coordinator for the arriving NRC team. {23}

☐ 3.7.1 Notify NRC Site Coordinator to report to the TSC for an update on plant conditions.

- A. Record NRC Site Coordinator's name on Enclosure 4.4 (NRC Site Team Response Form).
 - B. Brief NRC Site Coordinator on current plant conditions.
- ☐ 3.7.2 Provide Enclosure 4.4 (NRC Site Team Response Form), to the TSC NRC Communicator.
 - A. Instruct TSC NRC Communicator to complete Steps 1.2 – 1.5 of Enclosure 4.4 (NRC Site Team Response Form).
- ☐ 3.7.3 Notify OSC Manager and request RP Manager and Security to implement actions required to process NRC Site Team.
- ☐ 3.8 Provide periodic updates to the EOFD concerning plant status. Request the EOFD to provide dose assessment and field monitoring data to the TSC on a periodic basis.
 - ☐ 3.8.1 **IF** Failed Fuel Condition Two (2) has been determined,
THEN Immediately notify the EOFD.
 - A. Failed Fuel Condition Two (2) requires additional Protective Action Recommendations.
- ☐ 3.9 Authorize exposure greater than normal operating limits for planned equipment repair missions and/or emergency lifesaving missions.
 - 3.9.1 Approval may be either verbal or written.
 - 3.9.2 This authority may be delegated to the RP Manager in the OSC.
- ☐ 3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system.

NOTE:

1. During declared emergencies, Duke Energy does **NOT** need to meet Fatigue Work Rule 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.
2. Consider hours previously worked prior to ERO activation in determining shift turnover schedules for 24 hour staffing. {28}

- ☐ 3.11 Establish **OR** have the Assistant Emergency Coordinator/Emergency Planner establish twenty-four (24) hour staffing and have the Managers prepare as needed. {10}
 - 3.11.1 TSC Personnel Log Sheets (Enclosure 4.3) are to be used for this purpose.

NOTE: Long term use of the SFP as a makeup source will deplete the SFP inventory. Engineering has evaluated and approved the following method for refilling of the SFP with filtered lake water.

☐ 3.12 **IF** Offsite fire apparatus is needed to provide water to the Spent Fuel Pool

THEN Request the EOFD to contact the Oconee CDEM to provide sufficient fire apparatus (at least 3 pumper trucks of 1000 gpm, or greater capacity) to Oconee Nuclear Site (If available, Keowee Ebenezer, Corinth Shiloh, or Keowee Rural Volunteer Fire Departments should be requested to provide support).

☐ 3.12.1 Provide the OSC Manager with the following information and request support from the OSC:

- Fire apparatus is being dispatched from Oconee County to provide water to the Spent Fuel Pool
- Request Security Liaison to have Security Officers meet the fire apparatus at the determined site entrance
- Request Maintenance Manager to initiate AM/0/A/3009/012A (Emergency Plan For Refilling Spent Fuel Pool).

NOTE:

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

☐ 3.13 **IF** Plant conditions require a decision to implement 10CFR50.54(x)

THEN Perform the following steps:

☐ 3.13.1 Document decision and actions taken in the affected units log.

☐ 3.13.2 Document decision and actions taken in the Control Room Emergency Coordinator Log.

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

- ☐ 3.13.3 Request Control Room/TSC NRC Communicator to report decision and actions taken to the NRC.

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

- ☐ 3.14 **IF** Plant conditions require NRC notification under 10CFR50.72,
THEN Request the Control Room/TSC NRC Communicator to provide this notification using the guidance in OMP 1-14, (Notifications).
- ☐ 3.15 **IF** Notified by the EOF of a change in emergency classification,
THEN Request the Control Room/TSC NRC Communicator to notify the NRC of the change.
- ☐ 3.16 **IF** A LOCA exists inside containment,
THEN Request the Operations Superintendent to have Operations personnel refer to OP/0/A/1104/019 (Control Room Ventilation System) to verify proper operation of the Control Room Ventilation System. {3}
- ☐ 3.17 **IF** Restoring power from a LOOP event.
THEN Have Engineering Manager notify Accident Assessment in the EOF to assess the risk significance of power restoration for potential risk. {24}
- ☐ 3.18 Announce SAMG transition to TSC/OSC/EOF personnel so proper signage can be displayed with current plant conditions. {6}
- ☐ 3.19 Establish a Recovery Organization (refer to RP/0/A/1000/027, Re-Entry Recovery Procedure) once the emergency has been terminated.
- 3.19.1 Direct the OSC Manager to review RP/0/A/1000/027, Re-Entry Recovery Procedure to begin preparation for recovery.
- 3.19.2 Implement RP/0/A/1000/027, Re-entry Recovery Procedure.
- 3.19.3 Announce the following in TSC/OSC:
 "Covered workers need to ensure that all hours worked during an augmentation drill or declared emergency are entered into EmpCenter prior to leaving site. Supervisors should consider the need to initiate a waiver in EmpCenter per NSD-200, Section 200.8." {28}
- ☐ 3.20 Emergency Planning Section shall be responsible for completing all Procedure Process Records of Emergency Plan Implementing procedures initiated by the TSC.

- ☐ 3.21 Ensure TSC is returned to ready condition for next drill or actual event.
 - ☐ 3.21.1 Ensure **OR** have the Assistant Emergency Coordinator/Emergency Planner ensure TSC PA override switch is put in the **OFF** position. {8}{10}
 - ☐ 3.21.2 Direct completion of inventory PT/0/A/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP. |

4. Enclosures

- 4.1 Operations Shift Manager to TSC Emergency Coordinator Turnover Sheet
- 4.2 Emergency Preparedness Acronyms
- 4.3 TSC Personnel Log
- 4.4 NRC Site Team Response Form
- 4.5 Emergency Classification Termination Criteria
- 4.6 Alternate TSC and/or OSC Activation
- 4.7 Keowee Hydro Project Dams/Dikes - Condition A/B Descriptions {9}
- 4.8 Assistant Emergency Coordinator/Emergency Planner Delegated Procedure Steps {10}
- 4.9 Emergency Coordinator Turnover Checklist
- 4.10 Guidelines for Managing a Security Event {17}
- 4.11 References

OSM Emergency Coordinator Log/Turnover Sheet

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

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

* If yes, implementation of emergency worker exposure limits must be announced over Public Address System. {3}

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

THEN Provide the following information to the TSC Emergency Coordinator:

- Status of Offsite Agency Notifications _____
- Recommendations made to offsite agencies _____
- Status of relocation of site personnel _____

Status for answering 4911 emergency phone calls: Remains in Control Room _____ Responsibility of Op's in OSC _____

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

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

Emergency Coordinator/TSC _____ OSM _____

Time of Turnover _____

Enclosure 4.2
Emergency Preparedness Acronyms

RP/0/A/1000/019
Page 1 of 1

1. Emergency Preparedness Acronyms

CDEM	County Director of Emergency Management
EC	Emergency Coordinator
EOF	Emergency Operations Facility
EOFD	Emergency Operation Facility Director
ETS	Emergency Telephone System
ICP	Incident Command Post
LEC	Law Enforcement Center
NRC	Nuclear Regulatory Commission
EOC	Emergency Operations Center
OSC	Operational Support Center
PAR	Protective Action Recommendation
SCC	State/County Communicator
SDEM	State Director of Emergency Management
SEOC	State Emergency Operations Center
SWP	State Warning Point
TSC	Technical Support Center

Enclosure 4.3
TSC Personnel Log

RP/000/1000/019
 Page 1 of 2

DATE: _____

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT TSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
Emergency Coordinator**							
Offsite Communicator**							
Dose Assessment Liaison*							
Nuclear Engineering**							
Tech Assist to EC (Mech Engineer)**							
Asst. Emergency Coordinator							
Operations Superintendent							
TSC/OSC Liaison							

** 75 Minute Responder

Enclosure 4.3
TSC Personnel Log

RP/000/1000/019
Page 2 of 2

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT TSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
TSC/OSC Liaison Support							
Engineering Manager							
NRC Communicator (ENS)							
Dose Assessors							
Engineering Mgr. Assistant							
Operations Superintendent Assistant							
Operations Interface Manager							
Emergency Planning							
Local I/T							
Process Systems							

Enclosure 4.4
NRC Site Team Response Form

RP/0/A/1000/019
Page 1 of 1

1. NRC Site Team Response Form

1.1 NRC Site Coordinator _____
(name)

1.2 NRC Site Team Personnel Information:

NAME	SOCIAL SECURITY NUMBER
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

1.3 Estimated Time of Arrival (ETA): _____

1.4 Mode of Transportation: _____

Check Point: Hwy 130 - Main Station/WOE Entrance (Check Point 2)
(Circle One)
Hwy 183 - Intake Owner Controlled Area (OCA) Gate (Check Point 3)
Hwy 183 - Complex/Branch OCA Gate (Check Point 1)

1.5 Fax this form to OSC and Security using Speed Dial 031 or One-Touch Dial Code 31.

1.6 GET and BBA Requirements Waived:

RP Manager _____ Date _____

Enclosure 4.5
Emergency Classification Termination
Criteria

RP/0/A/1000/019

Page 1 of 1

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

THEN An emergency condition may be considered resolved when:

- ☐ 1.1 Existing conditions no longer meet the existing emergency classification criteria and it appears unlikely that conditions will deteriorate further.
- ☐ 1.2 Radiation levels in affected in-plant areas are stable or decreasing to below acceptable levels.
- ☐ 1.3 Releases of radioactive material to the environment greater than Technical Specifications are under control or have ceased.
- ☐ 1.4 The potential for an uncontrolled release of radioactive material is at an acceptably low level.
- ☐ 1.5 Containment pressure is within Technical Specification requirements.
- ☐ 1.6 Long-term core cooling is available.
- ☐ 1.7 The shutdown margin for the core has been verified.
- ☐ 1.8 A fire, flood, earthquake, or similar emergency condition is controlled or has ceased.
- ☐ 1.9 Offsite power is available per Technical Specification requirements.
- ☐ 1.10 All emergency action level notifications have been completed.
- ☐ 1.11 The Area Hydro Manager has been notified of termination of Condition "B" for Keowee Hydro Project.
- ☐ 1.12 The Regulatory Compliance Section has evaluated plant status with respect to Technical Specifications and recommends Emergency Classification termination.
- ☐ 1.13 Emergency terminated. Request the TSC Offsite Communicator to complete an Emergency Notification Form for a Termination Message using guidance in RP/0/A/1000/015B (Offsite Communications From The Technical Support Center), and provide information to offsite agencies.

Date/Time of Termination: _____ / _____ Emergency Coordinator Initials: _____

- Return to Step 2.10.1.G.1

1. Activation of the Alternate TSC prior to completion of turnover with the OSM

- ☐ 1.1 Request OSC Manager/SPOC Supervisor to initiate steps to setup the Alternate TSC located in RP/0/A/1000/025 (OSC Manager Procedure).
- ☐ 1.2 Request TSC Technical Assistant to Emergency Coordinator (or designee) to announce over the plant PA that the Alternate TSC is being activated.
- ☐ 1.3 Relocate TSC personnel except for the following to the Alternate TSC, Room 316 of the Oconee Office Building:
 - ☐ 1.3.1 TSC Offsite Communicator (1)
 - ☐ 1.3.2 TSC Technical Assistant to Emergency Coordinator
 - ☐ 1.3.3 Emergency Planning (if available)
- ☐ 1.4 Return to Step 2.2 of this procedure and complete turnover with the OSM.
 - ☐ 1.4.1 Report to the Alternate TSC with remaining support personnel after completion of turnover.

2. Activation of the Alternate TSC and/or OSC

- ☐ 2.1 Direct the TSC/OSC Liaison to inform the OSC Manager of the need to relocate the following emergency response facilities:

_____ TSC
_____ OSC
_____ TSC and OSC

- ☐ 2.2 Provide guidance on best available route to personnel being relocated to the Alternate TSC and/or the OSC.

2.2.1 **IF** A radiological release is in progress

THEN Direct the TSC/OSC Liaison to request RP to determine the best available route to the Alternate TSC and/or the OSC.

- ☐ 2.3 Direct the following TSC personnel to report to the Alternate TSC to assist with setup of the facility and establish communications with the TSC: (OSC steps are listed in RP/0/A/1000/025, OSC Manager Procedure)

_____ (1) TSC Offsite Communicator
_____ (1) Dose Assessor
_____ Ops Superintendent Assistant
_____ TSC/OSC Liaison Technical Assistant

- ☐ 2.4 Direct the TSC NRC Communicator to inform the NRC that the Alternate TSC is being activated.
- ☐ 2.5 Direct the remaining TSC personnel to report to the Alternate TSC.
- ☐ 2.6 Inform the EOF Director that the Alternate TSC is being activated and that TSC personnel including the Emergency Coordinator are enroute to that facility.
- ☐ 2.7 Return to Step 3.6.2 of this procedure after reporting to the Alternate TSC.

Enclosure 4.7
Keowee Hydro Project Dams/Dikes -
Condition A/B Descriptions

RP/0/A/1000/019
Page 1 of 1

- NOTE:**
- Duke Energy Company 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 Company 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/dike has occurred or is about to occur.

2. Condition "B" - Potentially Hazardous Situation is developing

A situation where failure may develop, but preplanned actions taken during certain events (e.g., major flood, earthquakes, evidence of piping) may prevent or mitigate failure.

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

- Reservoir elevation at Keowee Hydro Station is 805 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.

**Assistant Emergency Coordinator/Emergency
Planner Delegated Procedure Steps**

1. Perform the following procedure steps at the direction of the TSC Emergency Coordinator:

Assistant Emergency Coordinator

- ☐ 2.1
- ☐ 2.1.4
- ☐ 2.1.5
- ☐ 2.1.6
- ☐ 2.4
- ☐ 2.6
- ☐ 2.7
- ☐ 2.8
- ☐ 2.10.1.C
- ☐ 2.10.1.D
- ☐ 2.10.2.E
- ☐ 2.10.2.F
- ☐ 2.10.3.F
- ☐ 2.10.3.G
- ☐ 2.10.3.H
- ☐ 2.10.4.H
- ☐ 2.10.4.I
- ☐ 3.1
- ☐ 3.11
- ☐ 3.21.1

Emergency Planner

- ☐ 2.1
- ☐ 2.1.4
- ☐ 2.1.5
- ☐ 2.1.6
- ☐ 2.4
- ☐ 2.6
- ☐ 2.7
- ☐ 2.8
- ☐ 3.11
- ☐ 3.21.1

Enclosure 4.9

RP/0/A/1000/019

Emergency Coordinator Turnover Checklist

Page 1 of 2

() CATAWBA

() MCGUIRE

() OCONEE

UNIT(S) AFFECTED: () Unit 1 () Unit 2 () Unit 3 {8}

GENERAL	Pressure	Power Level	Reactor Coolant Temperature	Reactor Coolant	
	DATE: _____	U-1 _____	_____	_____	
	TIME: _____	U-2 _____	_____	_____	
		U-3 _____	_____	_____	
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		NUMBER ASSEM.	NUMBER DEPLOYED		
	FIELD MON. TEAMS	_____	_____		
		ZONES EVACUATED		ZONES SHELTERED	
	OFFSITE PARS	_____		_____	
	RELEASE IN PROGRESS	YES ()	NO ()	KI (General Public) 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					

Emergency Coordinator Turnover Checklist

			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)

Enclosure 4.10
Guidelines for Managing A Security Event

RP/0/A/1000/019
Page 1 of 1

{17}

NOTE: This enclosure is to be used as guidance for responding to a Security event and should be considered only an aid in managing the incident. Not all actions are applicable to all Security events nor should only these actions be considered. Only actions that are applicable and feasible should be implemented (Reference RP/0/A/1000/037, Incident Command Post).

- ☐ 1. Establish communications with Security. Consider having a member of Security relocate to the TSC.
- ☐ 2. Evaluate the need to lock Control Room doors and or perimeter doors to buildings inside the protected area to control access and egress.
- ☐ 3. Evaluate the need to implement the two-person rule (line-of-sight).
- ☐ 4. Prioritize critical plant equipment which must be protected and be prepared to provide this information to Security.
- ☐ 5. Evaluate the need to man the SSF based on Security recommendations.
 - Consider need for emergency start of SSF diesel.
- ☐ 6. Review AP/0/A/1700/045, Site Security Threat, procedure.
- ☐ 7. Consideration should be given to tripping the unit(s) if it is determined that there is an imminent/impending and credible threat to the site which may include:
 - Imminent loss of Control Room due to adversarial actions
 - Notification by NRC/NORAD of imminent aircraft threat
 - Entry into the Auxiliary or Containment Buildings by adversaries
- ☐ 8. Consider staging of offsite fire department and/or EMS.

1. PIP O-98-04996
2. PIP O-99-00743
3. PIP O-01-01395
4. PIP O-01-03460
5. PIP O-01-03696
6. PIP O-02-00264
7. PIP O-02-03705
8. PIP O-02-07089
9. PIP-O-03-02447
10. PIP-O-03-04975
11. PIP-O-04-04755
12. PIP-O-05-01642
13. PIP-O-05-02980
14. PIP-O-05-03349
15. PIP O-05-06827
16. PIP O-06-0884
17. PIP O-06-05641
18. PIP O-05-04697
19. PIP G-07-0127
20. PIP O-07-01590
21. PIP O-07-05157
22. PIP O-07-06549
23. PIP O-07-06992
24. PIP C-06-08633

25. PIP G-11-1389, IER L1-13-10

26. PIP G-12-1530

27. PIP O-12-3002

28. PIP C-12-3794

29. PIP O-07-5228

30. PIP O-09-5976

31. PIP O-13-8641

32. PIP-O-13-15223

Duke Energy
PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/019Revision No. 006**PREPARATION**(2) Station OCONEE NUCLEAR STATION(3) Procedure Title Technical Support Center Emergency Coordinator Procedure(4) Prepared By Natalie Harness *Natalie Harness* Date 7/28/2014Prepared By & Mentor* John Kaminski *John Kaminski* Date 7/28/2014

(5) Requires NSD 228 Applicability Determination?

☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.☒ No (Minor Editorial Changes)(6) Reviewed By* Donald A. Paul *Donald A. Paul* (QR)(KI) Date 8/14/14Cross-Disciplinary Review By* _____ (QR)(KI) NA *NA* Date 8/14/14Reactivity Mgmt Review By* _____ (QR) NA *NA* Date 8/14/14Mgmt Involvement Review By* _____ (Ops. Supt.) NA *NA* Date 8/14/14

(7) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

(8) Approved By* Patricia A. Stiles *Patricia A. Stiles* Date 8/14/14**PERFORMANCE** (Compare with control copy every 14 calendar days while work is being performed.)

(9) Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

(10) Date(s) Performed _____

Work Order Number (WO#) _____

COMPLETION

(11) Procedure Completion Verification:

☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?☐ Yes ☐ NA Required enclosures attached?☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?☐ Yes ☐ NA Procedure requirements met?

Verified By* _____ Date _____

(12) Procedure Completion Approved _____ Date _____

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

Printed Name and Signature

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

- (1) ID No. RP/0/A/1000/019 Revision No. 006
- (2) Station: OCONEE NUCLEAR STATION
- (3) Procedure Title: Technical Support Center Emergency Coordinator Procedure
- (4) Section(s) of Procedure Affected:

~~Page 2 of 27, Page 3 of 27, Page 5 of 27, Page 7 of 27, Page 8 of 27,
Page 9 of 27, Page 10 of 27, Page 11 of 27, Page 12 of 27, Page 13 of 27, Page 14 of 27,
Page 15 of 27, Page 16 of 27, Page 18 of 27, Page 19 of 27, Page 23 of 27, Page 26 of 27, Enclosure 4.1,
Enclosure 4.2, Enclosure 4.3, Enclosure 4.5, Enclosure 4.7, Enclosure 4.10 & Enclosure 4.11.~~

(NH) 8/14/14

* See Attached Change matrix

- (5) Requires NSD 228 Applicability Determination?

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

☒ No (Procedure change with minor changes)

- (6) Description of Change: *(Attach additional pages, if necessary.)*
See attached change matrix

- (7) Reason for Change:

Editorial changes

ONS-2014-001274 & ONS-2014-003794

- (8) Prepared By Natalie Harness *Natalie Harness* Date 7/28/2014

Prepared By & Mentor* John Kaminski *John Kaminski* Date 7/28/2014

- (9) Reviewed By* Donald A. Crowl *Donald A. Crowl* (QR)(KI) Date 8/14/14

Cross-Disciplinary Review By* _____ (QR)(KI) NA NA Date 8/14/14

Reactivity Mgmt. Review By* _____ (QR) NA NA Date 8/14/14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA NA Date 8/14/14

- (10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

- (11) Approved By* Patricia M. Stager *Patricia M. Stager* Date 8/14/14

* Printed Name and Signature

Revision/Change Package Fill-In Form


Rev. 04/23/2012

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

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

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

Note: place cursor in center of brackets before typing.

1. ID No.: RP/0/A/1000/019
2. Revision No.: 006
3. Change No.: **Note:** if this package is for a change, replace hyphen with a letter.
4. Procedure Title: Technical Support Center Emergency Coordinator Procedure
5. For changes only, enter procedure sections affected:
6. Prepared By: Natalie Harness 
7. Preparation Date: 7/28/2014
8. PCR Numbers Included in Revision: ONS-2014-001274 & ONS-2014-003794

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

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

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

Procedure Title: Technical Support Center Emergency Coordinator Procedure

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

See attached change matrix

PCR Numbers Incorporated

ONS-2014-001274 & ONS-2014-003794

Enclosure

§50.54(q) Screening Evaluation Form

Activity Description and References:

BLOCK 1

RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure

ONS-2014-001274 & ONS-2014-003794

Activity Scope:

BLOCK 2

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

Change Type:

BLOCK 3

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

Change Type:

BLOCK 4

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

Planning Standard Impact Determination:

BLOCK 5

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

*Risk Significant Planning Standards

- ☐ The proposed activity does not impact a Planning Standard

Commitment Impact Determination:

BLOCK 6

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

Results:

BLOCK 7

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

Preparer Name:
 Natalie Harness/
 John Kaminski

Preparer Signature

Natalie Harness
 John Kaminski

Date:
 7/28/2014

7/30/14

Reviewer Name:
 Jon Crowl

Reviewer Signature

Jon Crowl

Date:
 8/14/14

§50.54(q) Effectiveness Evaluation Form

Activity Description and References: RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure

BLOCK 1

ONS-2014-001274 & ONS-2014-003794

Activity Type:**BLOCK 2**

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

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

1. **10CFR50.47.(b)1**, Primary responsibilities for emergency response by the nuclear facility licensee and by State and local organizations within the Emergency Planning Zones have been assigned, the emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has staff to respond and to augment its initial response on a continuous basis.
2. **10CFR50.47.(b)2** On-shift facility licensee responsibilities for emergency response are unambiguously defined, adequate staffing to provide initial facility accident response in key functional areas is maintained at all times, timely augmentation of response capabilities is available and the interfaces among various onsite response activities and offsite support and response activities are specified.
3. **ONS E Plan Section A.1b**, After the station manager assumes the role as Emergency Coordinator in the Technical Support Center, the Operations Shift Manager is then able to devote his full attention to the Control Room. The Technical Support Center will provide contact to offsite agencies until relieved by the Emergency Operations Facility. Technical support and accident mitigation strategy will be provided to the control room by the Technical Support Center. Once the EOF Director assumes control of the Emergency Operations Facility, the Technical Support Center will be relieved of the responsibility of contact with offsite agencies. The EOF Director is responsible for providing technical information to the local and state governmental agencies that will be utilized to determine actions required to protect the health and safety of the public. During a security event involving an intrusion/attempted intrusion into the site by a hostile force after normal working hours, activation of the Technical Support Center will be delayed for personnel safety. In this situation the Emergency Operations Facility may be activated and relieve the Operations Shift Manager of his Emergency Coordinator responsibilities. This transfer of Emergency Coordinator responsibilities directly to the Emergency Operations Facility will allow the Operations Shift Manager to devote his full attention to the control room.
4. **ONS E Plan Section B**, Adequate staffing to provide for initial emergency response in key functional areas is maintained at all times, timely augmentation of response capabilities is available, and the interfaces among various onsite response activities and offsite support and response activities are specified.

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

The proposed changes ensure continued compliance with the requirements as detailed in 10CFR50.47b.1 and b.2, AND continued compliance with the ONS E plan as currently written. The proposed changes also provide additional detail with respect to implementation of turnover to the EOF and then turnover of plant status to the TSC, support for the ICP and continues to assure staffing of positions within the facilities under the direction of the Emergency Coordinator.

Conclusion:

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

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

The two functions identified in REG Guide 1.219 for 10CFR50.47b.1 include:

- (1) Responsibility for emergency response is assigned.
- (2) The response organization has the staff to respond and to augment staff on a continuing basis (i.e., 24/7 support) in accordance with the emergency plan.

and

the two functions have been identified in REG Guide 1.219 for 10CFR50.47b.2 include:

- (1) The process ensures that on-shift emergency response responsibilities are staffed and assigned.
- (2) The process for timely augmentation of on-shift staff is established and maintained.

The vast majority of the proposed changes (1,3,5,6,8-55) provide for editorial updates for grammar, consistency of phone numbers and titles, as well as updates to procedure numbers and correcting syntax errors such as missing period and commas.

Proposed change (#2) provides for additional detail as to use of additional trained ERO personnel to fill vacant ERO positions for which while they may not be specifically trained provided they have the knowledge and experience to perform the function as determined by the EC.

Proposed change (#4) provides for additional implementation details with respect to implementing turnover during the various possible situations, turnover directly from the control room to the EOF with follow-up turnover of plant status to the TSC, or directly from the control room to the TSC EC.

Proposed change (#7) provides for additional details for implementing sending liaisons to the Incident command post during a hostile action.

Thus as noted above the proposed changes included many editorial changes with additional details for implementing aspects of the requirements of the emergency plan. The addition of these details do not eliminate any of the functions indicated, do not reduce the functions as indicated, do not change the timing or timeliness of the functions indicated.


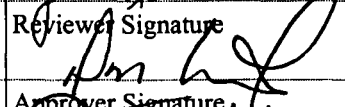
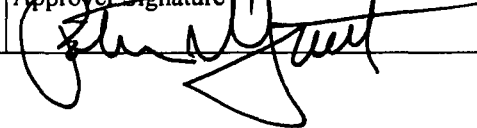
The proposed changes serve to enhance the functions by ensuring timely turnover of appropriate information to the appropriate individual, assure functions are being performed by competent personnel until the qualified personnel arrive, and assure positions committed to support in the ICP are provided. Therefore there has been no reduction in the effectiveness of the plan as a result of the proposed change.

Conclusion:

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

Effectiveness Evaluation Results**BLOCK 6**

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

Preparer Name: Natalie Harness John Kaminski	Preparer Signature 	Date: 8/13/14 8/12/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/14/14
Approver Name: Pat Street	Approver Signature 	Date: 8/14/14

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
1.	Page 2 of 27 NOTE 1	For an outside line dial "9", for long distance dial "1".	For an outside line dial "9" and for long distance dial "1".	editorial: remove the comma and replace with "and"
2.	Page 2 of 27 NOTE 2	... Vacant ERO positions may be filled with other plant staff members present in the facility and who are qualified for the position(s). Individual(s) assigned to fill vacancy should have the training, experience and skills required by the ERO training program for that position.	...Vacant ERO positions may be filled with other plant staff members currently present in the facility AND who are specifically designated to fill the vacant position by the Emergency Coordinator. Individual(s) designated to fill a vacancy should be selected based upon training , experience and skills required to complete that ERO function. NOTE: This is ONLY a substitute designation for the unmanned ERO position and does NOT satisfy the requirement for the trained/qualified ERO position.	editorial: make and uppercase and add an "a" to fill... Clarified expectations and intent -
3.	Page 3 of 27	Tech Assistant to EC	Tech Assistant to the EC	editorial: add "the" before EC
4.	Page 4 of 27	2.2 Receive turnover from ...	2.2 IF: Turnover ... THEN: Acknowledge... REQUEST: Plant status update..	Clarified expectations for turnover during various scenarios
5.	Page 5 of 27	2.6 Activate OR have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System	2.6 Activate OR have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System.	editorial: add a period to the end of the sentence
6.	Page 7 of 27	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around the area code

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
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Change #	Page #	Current	Proposed	Reason
7.	Page 7 of 27 2.9 bullet 4	During a security event arrange for a qualified Emergency Coordinator to go to the near site command post to act as a liaison between the command post and the TSC.	During a security event arrange for a qualified Emergency Coordinator to go to the near site Incident Command Post (ICP) to act as a liaison between the Incident Command Post and the TSC. (reference RP/0/A/1000/037)	Clarified added ICP title and reference
8.	Page 8 of 27	2.10 Review emergency classification and verify that it meets the criteria of RP/0/B/1000/001 (Emergency Classification).	2.10 Review emergency classification and verify that it meets the criteria of RP/0/A/1000/001 (Emergency Classification).	editorial: safety classification change from B to A procedure
9.	Page 9 of 27	Make the notification for the lesser emergency classification within 15 minutes	Make the notification for the lesser emergency classification within 15 minutes.	editorial: add a period at the end of the sentence
10.	Page 9 of 27 Note 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
11.	Page 10 of 27 E	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
12.	Page 10 of 27 F	Discuss OR have the Assistant Emergency Coordinator discuss classification with SDEM and CDEM	Discuss OR have the Assistant Emergency Coordinator discuss classification with SDEM and CDEM.	editorial: add a period at the end of the sentence


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Change #	Page #	Current	Proposed	Reason
13.	Page 10 of 27 F	SDEM 803 737-8500 Oconee CDEM 864 638-4200 Pickens CDEM 864 898-5943	State Director Emergency Management (SDEM) (803) 737-8500 Oconee County Director Emergency Management (CDEM) (864) 638-4200 Pickens County Director Emergency Management (CDEM) (864) 898-5943	editorial: add parenthesis around area codes and spell out acronyms
14.	Page 10 of 27 Note 2	The Emergency Planning Section shall develop...	Emergency Preparedness shall develop...	editorial: remove The and change Planning to Preparedness
15.	Page 10 of 27 bullet 1	Notify Emergency Planning that the Unusual Event has been terminated.	Notify Emergency Preparedness that the Unusual Event has been terminated.	editorial: change Planning to Preparedness
16.	Page 10 of 27 bullet 2	Emergency Planning shall hold a critique following termination of the Unusual Event.	Emergency Preparedness shall hold a critique following termination of the Unusual Event.	editorial: change Planning to Preparedness
17.	Page 11 of 27 A	THEN Perform the following actions	THEN Perform the following actions:	editorial: add :
18.	Page 11 of 27 A F (NH)	Start ERDS -TSC NRC Communicator, - RP/0/B/1000/003A (ERDS Operation)	Start ERDS -TSC NRC Communicator, - RP/0/A/1000/003A (ERDS Operation)	editorial: safety classification change from B to A procedure
19.	Page 12 of 27 Note	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
20.	Page 12 of 27 G	SDEM 803 737-8500 Oconee CDEM 864 638-4200 Pickens CDEM 864 898-5943	SDEM (803) 737-8500 Oconee CDEM (864) 638-4200 Pickens CDEM (864) 898-5943	editorial: add parenthesis around area codes

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
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Change #	Page #	Current	Proposed	Reason
21.	Page 12 of 27 H	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
22.	Page 13 of 27 C	IF Condition A, Dam Failure (Keowee or Jocassee) exists	IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A
23.	Page 14 of 27 G	Start ERDS (TSC NRC Communicator - RP/0/B/1000/003A (ERDS Operation)).	Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS Operation)).	editorial: safety classification change from B to A procedure
24.	Page 14 of 27 H	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around area codes
25.	Page 14 of 27 I	Condition A, Dam Failure	Condition "A", Dam Failure	editorial: place A in quotes
26.	Page 15 of 27 Note Bullets 1 and 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
27.	Page 15 of 27 J	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"

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Change #	Page #	Current	Proposed	Reason
28.	Page 15 of 27 K	IF The site has sustained major damage THEN Direct implementation of RP/0/B/1000/022, Procedure For Major Site Damage Assessment And Repair.	IF The site has sustained major damage THEN Direct implementation of RP/0/A/1000/022, Procedure For Major Site Damage Assessment And Repair.	editorial DocuTracks ONS-2014-001274: reference Major Site Damage Procedure & change classification to an A
29.	Page 16 of 27 B	IF Condition A, Dam Failure (Keowee or Jocassee) exists	IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A
30.	Page 16 of 27 G	Start ERDS (TSC NRC Communicator - RP/0/B/1000/003A (ERDS Operation).	Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS Operation).	editorial: safety classification change from B to A procedure
31.	Page 17 of 27 H	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around area codes
32.	Page 17 of 27 Note Bullets 1 and 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
33.	Page 17 of 27 J 	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
34.	Page 18 of 27 2.11.2	Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: 704-382-1825.	Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: (704) 382-1825.	editorial: add parenthesis around area code and remove -
35.	Page 19 of 27	3.2 IF Condition A, Dam Failure (Keowee or Jocassee) exists	3.2 IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A

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Change #	Page #	Current	Proposed	Reason
36.	Page 19 of 27	3.2.3 Notify Hydro Central and provide information related to the event. Refer to Section 6 of the Emergency Telephone Directory.	3.2.3 Notify Hydro Central and provide information related to the event. Refer to Section 6 of the Emergency Telephone Directory.	editorial: remove "Section 6 of"
37.	Page 19 of 27	3.2.4 THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory (page 8).	3.2.4 THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory (page 8).	editorial: remove "(page 8)"
38.	Page 23 of 27	3.7.3 Notify OSC Manager and request RP Manager and <u>Security</u> to implement actions required to process NRC Site Team.	3.7.3 Notify OSC Manager and request RP Manager and Security to implement actions required to process NRC Site Team.	editorial Docutracks #0000379: Space between Security and to:
39.	Page 23 of 27	3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system. (Timer is available in the Emergency Procedures Cart.)	3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system.	editorial: remove "(Timer is available in the Emergency Procedures Cart.)"
40.	Page 25 of 27	3.19 Establish a Recovery Organization (Section M of the ONS Emergency Plan, Volume A, located in the Operations Shift Manager's office) once the emergency has been terminated.	3.19 Establish a Recovery Organization (refer to RP/0/A/1000/027, Re-entry Recovery Procedure) once the emergency has been terminated.	editorial: reference procedure and remove location
41.	Page 25 of 27	3.19.1 Request the OSC Manager to review Section M of the Emergency Plan (Volume 17A is located in Unit 3 Library located next to U3 Control Room) to begin preparation for recovery.	3.19.1 Direct the OSC Manager to review RP/0/A/1000/027, Re-entry and Recovery Procedure to begin preparation for recovery.	editorial: reference procedure and remove location
42.	Page 25 of 27	3.19.2 Implement RP/0/B/1000/027, Re-entry Recovery Procedure	3.19.2 Implement RP/0/A/1000/027, Re-entry Recovery Procedure	editorial: safety classification change from B to A procedure

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
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Change #	Page #	Current	Proposed	Reason
43.	Page 26 of 27	3.21.2 Direct completion of inventory PT/0/B/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP.	3.21.2 Direct completion of inventory PT/0/A/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP.	editorial: safety classification change from B to A procedure
44.	Enclosure 4.1 Page 1 of 1	ERO Procedures (table): RP/0/B/1000/002 RP/0/B/1000/016 RP/0/B/1000/017 RP/0/B/1000/022 RP/0/B/1000/029	ERO Procedures (table): RP/0/A/1000/002 RP/0/A/1000/016 RP/0/A/1000/017 RP/0/A/1000/022 RP/0/A/1000/029	editorial: safety classification change from B to A procedure
45.	Enclosure 4.2 Page 1 of 1	na	ICP Incident Command Post	editorial: add acronym
46.	Enclosure 4.3 Page 2 of 2	Community Relations (WOE)	delete	editorial: not a required position in the TSC, delete
47.	Enclosure 4.5 Page 1 of 1	1.11 The Area Hydro Manager has been notified of termination of Condition B for Keowee Hydro Project.	1.11 The Area Hydro Manager has been notified of termination of Condition "B" for Keowee Hydro Project.	editorial: place quotes around B
48.	Enclosure 4.7 Page 1 of 1 Note Bullet 1	Duke Energy Company Hydro Group personnel are responsible for evaluation/inspection of Keowee Hydro Project Dams/Dikes <u>AND</u> determining if a Condition A or B exists.	Duke Energy Company Hydro Group personnel are responsible for evaluation/inspection of Keowee Hydro Project Dams/Dikes <u>AND</u> determining if a Condition "A" or "B" exists.	editorial: place quotes around A & B
49.	Enclosure 4.7 Page 1 of 1	1. Condition A - Failure is Imminent or has occurred	1. Condition "A" - Failure is Imminent or has occurred	editorial: place quotes around A
50.	Enclosure 4.7 Page 1 of 1	2. Condition B - Potentially Hazardous Situation is developing... The following situations will result in a Condition B determination/declaration:	2. Condition "B" - Potentially Hazardous Situation is developing... The following situations will result in a Condition "B" determination/declaration:	editorial: place quotes around B
51.	Enclosure 4.10 NOTE	end of note section	Reference RP/0/A/1000/037, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines	editorial: add new procedure reference for ICP

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
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Change #	Page #	Current	Proposed	Reason
52.	Enclosure 4.11	25. PIP G-11-1389	25. PIP G-11-1389, IER LI-13-10	editorial for commitment tracking
53.	Page 18 of 27 Step 2.13.1	EOF Activated _____ Time _____	Time EOF Activated _____	editorial formatting
54.	Enclosure 4.10	Step 6 Review AP/1,2,3/A/1700/040, Aircraft Threat Procedures.	Review AP/0/A/1700/045, Site Security Threats	editorial AP/1,2,3/A/1700/040, superseded by AP/0/A/1700/045
55.	page 17 of 27	Step 2.10.4 Discuss change in classification	Discuss or have the Asst Emergency Coordinator discuss...	Editorial changed for consistency with other procedure sections

**Duke Energy
Oconee Nuclear Station
Incident Command Post (ICP) Operations and Radiation
Protection Liaison Guidelines**

Procedure No.

RP/0/A/1000/037

Revision No.

002

Electronic Reference No.

OP009AD6

Multiple Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

**Printed Name and Signature*

Remarks (attach additional pages, if necessary)

IMPORTANT: Do NOT mark on barcodes.

Printed Date: *08/14/2014*

Enclosure No.: *FULL*



Revision No.: *002*



Procedure No.: *RP/0/A/1000/037*



Information Use

Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

1. Purpose

To provide guidance for Incident Command Post Liaisons during a hostile action based event on site. Liaisons will serve as interfaces between Duke Energy Emergency Response Organization (ERO) Facilities and the ICP to advise on matters related to plant operations and radiation protection-related conditions.

2. References

- 2.1 NEI 06-04, Revision 2, Conducting a Hostile Action-Based Emergency Response Drill
- 2.2 NUREG-0654/FEMA-REP-1, Revision 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 2.3 Homeland Security Presidential Directive (HSPD-5), Management of Domestic Incidents
- 2.4 National Incident Management Systems (NIMS), Dec 2008

3. Limits and Precautions

None

4. Procedure

- Operations initiate Enclosure 5.1 upon arrival in ICP.
- Radiation Protection initiate Enclosure 5.3 upon arrival in ICP.

5. Enclosures

- 5.1 Operations ICP Liaison Guidelines
- 5.2 Operations ICP Liaison Kit Inventory Sheet
- 5.3 Radiation Protection ICP Liaison Guidelines
- 5.4 Radiation Protection ICP Liaison Kit Inventory Sheet
- 5.5 ICP Log Book Sheet
- 5.6 ICP Dosimetry Issue Log

Reference Use

1. **IF** required by law enforcement, sign in with the reception officer and obtain ICP Badge.
2. Obtain the Operations ICP Liaison Kit from the storage area of the ICP.
3. Contact the ICP Commander and introduce yourself as the Oconee Operations ICP Liaison.
4. Establish an Operations ICP position log of activities sufficient enough to reconstruct your actions in the ICP and conduct a turnover to the on-coming shift in an event or activation of the facilities using copies of Enclosure 5.5.
5. Initiate communications with the Control Room, Emergency Operations Facility (EOF) and Technical Support Center (TSC) Operations personnel on one of the following bridge lines numbers using available headset phone, land line phone, Satellite phone, or Personal cell phone.
 - Oconee Operations Bridge Line number - 864-885-4908
 - Spare Oconee Bridge Line number - 864-873-4905
6. **IF** contact with Control Room **OR** EOF **OR** TSC is necessary without using the bridge lines of Step 5, use the following telephone numbers.
 - Control Room number (portable phone in all units) - 864-882-7076
 - EOF Operations Interface number - 704-382-0775.
 - TSC OPS Superintendent number - 864-873-3715
7. Participate in ICP Briefings providing information such as urgent/critical operational actions/needs, reactor fuel status, plant status and Operation's priorities as it applies to the ICP (considerations such as security, fire, core cooling support, etc). Ensure the following as applicable.
 - Use simplified explanations of technical details tailored for a broad range of disciplines.
 - Avoid use of acronyms and highly technical terminology.
8. **WHEN** released by the Incident Commander at the end of the event, perform the following:
 - 8.1 Inventory contents of Operations ICP Liaison Kit using Enclosure 5.2.
 - 8.2 Document inventory on Enclosure 5.2
 - 8.3 Ensure Operations ICP Liaison Kit is fully stocked.
 - 8.4 Ensure Operations ICP Liaison Kit is tamper sealed (with two tamper seals).
 - 8.5 Ensure Operations ICP Liaison Kit returned to the storage location.

Reference Use

Item	Required Quantity	Required Quantity Met? (Y/N) *	Comments
Wireless Headset Phone	1		
Oconee ERO Phone Directory	1		
Position Vest	2		
ICP Log Book Sheets	20 sheets		
Pens	5		
Notepads	5		
AP/0/A/1700/045 (Site Security Threats)	1		

* = If required quantity not met, ensure Oconee Emergency Planning notified of missing needed items.

Inventory Performed By: _____ / _____
Printed Name / Signature

Date: _____

Reference Use

1. **IF** required by law enforcement, sign in with the reception officer and obtain ICP Badge.
2. Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP (Complex BBA Room).
 - Additional office supplies are available in ICP storage cabinet (Complex Auditorium)
3. Contact the ICP Commander and introduce yourself as the Oconee Radiation Protection (RP) ICP Liaison.
4. Establish a RP ICP position log of activities sufficient to reconstruct your actions in the ICP and to provide for Turnover.

<p>NOTE: EOF RP is in place to support the RP ICP Liaison and to provide plant data and other assistance as needed.</p>
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5. Initiate communications with the Emergency Operations Facility (EOF) Radiological Assessment Manager (RAM) and Operational Support Center (OSC) RP Manager (once established) at one of the following numbers (or other applicable number listed in the ONS ERO Phone Directory).
 - Oconee Radiation Protection ICP Bridge Line number - 864-873-4902
 - Spare Oconee Bridge Line number - 864-873-4905
 - EOF Offsite Dose Assessment - 704-382-0746
 - EOF RAM number - 704-382-0763 or wireless number 704-382-8959.
 - OSC RPM number - 864-873-3490

<p>NOTE: Steps 6 and 7 are not applicable to ICPs located beyond 10 miles from the plant unless directed by RP Management.</p>

6. **IF AT ANY TIME** a radiological release is occurring **OR** has occurred **OR** directed by RP management.
 - Perform periodic radiation surveys inside and outside the ICP.
 - Perform periodic contamination surveys inside and outside the ICP.
 - Perform periodic air sampling inside the ICP.

7. **IF AT ANY TIME** radiation levels or radioactivity above background is measured in the ICP, contact the EOF RAM and/or the OSC RPM for guidance on:
 - Potentially relocating the ICP
 - Dosimetry requirements in ICP
 - Notify ICP Commander
8. Communicate clearly, applying the following:
 - Use simplified explanations of technical details tailored for a broad range of disciplines.
 - Avoid use of acronyms and highly technical terminology.
9. Participate in the ICP Briefings and provide information such as:
 - Radiological release occurring or not
 - Elevated/abnormal radiation level conditions
 - Security guards are stationed around the plant and are on RWP 22 with setpoints of 5 mrem and 10 mrem/hr. If necessary, plant dose rate information can be obtained by requesting the Security ICP Liaison to ask Security guards to report ED readings.
 - Strategies for entering the station and RP priorities
 - Wind Direction and potential impact on ICP
 - Radioactivity in releases (if any) from plant
 - Radioactivity from potential "dirty bomb" detonated on site
 - Potential biohazard or toxic smoke effects from onsite detonation or fire

NOTE:

- Emergency EDs in the ICP kit have setpoints of 500 mrem dose and 1,000 mrem/hr dose rate.
- **AFTER** hostile forces have been neutralized and entry into Protected Area is required, individuals from offsite may be instructed to report to ONS Dosimetry office for dosimetry. 50 Emergency EDs (setpoints of 500 mrem dose and 1,000 mrem/hr dose rate) and TLDs are available in the Dosimetry office for issue.

10. **IF** dose monitoring required, issue an electronic dosimeter (ED) to at least 1 individual for each team using Enclosure 5.6.
 - 10.1 Ensure EDs are activated using Electronic Dosimeter Instruction Sheet as necessary.
 - 10.2 Provide and assist workers with completion of dose cards.

- 10.3 Advise the individuals to contact Oconee Site Dosimetry for processing at the end of the event.
 - 10.4 Collect EDs from individuals as they return to ICP unless needed in the ICP.
 - 10.5 Collect and verify dosecards as individuals return EDs.
11. **WHEN** released by the Incident Commander at the end of the event, perform the following:
- 11.1 Ensure individuals on Enclosure 5.6 are advised to contact Oconee Site Dosimetry for processing.
 - 11.2 Inventory contents of Radiation Protection's ICP Liaison Kit using Enclosure 5.4.
 - 11.3 Document inventory on Enclosure 5.4
 - 11.4 Ensure Radiation Protection's ICP Liaison Kit is fully stocked.
 - 11.5 Ensure Radiation Protection's ICP Liaison Kit is tamper sealed (with two tamper seals).
 - 11.6 Ensure Radiation Protection's ICP Liaison Kit returned to the storage location.

Enclosure 5.4
Radiation Protection ICP Liaison Kit
Inventory Sheet

RP/0/A/1000/037

Page 1 of 1

Reference Use

Item	Required Quantity	Required Quantity Met? (Y/N) *	Comments
Wireless Headset Phone	1		
EPZ / Field Monitoring Map	1 paper		
Oconee ERO Phone Directory	1		
Position Vest	2		
ICP Log Book Sheets	20 sheets		
Pens	5		
Notepads	5		
Legal pads	2		
Electronic Dosimeters (autonomous mode)	25		
Electronic Dosimeter Instruction Sheet	10 copies		
Dose Cards	100		
Beta-Gamma Survey Meter	1#		
Count Rate Meter	1#		
Air Sampler	1#		
Smears (in envelopes)	100#		
Air Samples (P&C)	20#		
Potassium Iodide (KI)	50 doses/ tablets#		
SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release	1 copy		
RP/0/B/1000/011, Planned Emergency Exposure	1 copy		

* = If required quantity not met, ensure Oconee Emergency Planning notified of missing items.

= Not required if ICP located beyond 10 miles from the plant.

Inventory Performed By: _____ / _____
Printed Name / Signature

Date: _____

Reference Use

Page 1 of 1

Page ____ of ____

Name(s): _____

[illegible]

ICP Dosimetry Issue Log

Reference Use

Date: _____

Drill or Event
(Circle One)

Page ____ of ____

Printed Name	Identifying Number	Organization	Permanent Telephone Number	Dosimeter Number

Refer to Electronic Dosimeter Instruction Sheet as necessary to activated Electronic Dosimeters.

Revision/Change Package Fill-In Form

Rev. 04/23/2012

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

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

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

Note: place cursor in center of brackets before typing.

1. ID No.: RP/0/A/1000/037
2. Revision No.: 002
3. Change No.: **Note:** if this package is for a change, replace hyphen with a letter.
4. Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
5. For changes only, enter procedure sections affected:
6. Prepared By: Mike Stephens
7. Preparation Date: 08/11/2014
8. PCR Numbers Included in Revision:

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

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

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

Duke Energy

PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/037Revision No. 002**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
- (4) Prepared By Mike Stephens *Mike Stephens* Date 08/11/2014
- Prepared By & Mentor* John Kaminski *John Kaminski* Date 08/11/2014
- (5) Requires NSD 228 Applicability Determination?
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☒ No (Minor Editorial Changes)
- (6) Reviewed By* Douglas A. Grand *Douglas A. Grand* (QR)(KI) Date 8/12/14
- Cross-Disciplinary Review By* _____ (QR)(KI) NA NA Date 8/12/14
- Reactivity Mgmt Review By* _____ (QR) NA NA Date 8/12/14
- Mgmt Involvement Review By* _____ (Ops. Supt.) NA NA Date 8/12/14
- (7) Additional Reviews
- Reviewed By* _____ Date _____
- Reviewed By* _____ Date _____
- (8) Approved By* Patrick M. Stuck *Patrick M. Stuck* Date 8/13/14

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

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

COMPLETION

- (11) Procedure Completion Verification:
- ☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?
- ☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
- ☐ Yes ☐ NA Required enclosures attached?
- ☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?
- ☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?
- ☐ Yes ☐ NA Procedure requirements met?
- Verified By* _____ Date _____
- (12) Procedure Completion Approved _____ Date _____
- (13) Remarks (Attach additional pages, if necessary)

Printed Name and Signature

Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

See change matrix below

PCR Numbers Incorporated

None

Enclosure

Attachment to 50.54q

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
1	Enclosure 5.3 page 1 of 3 step 2	2. Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP.	Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP (Complex BBA Room). <ul style="list-style-type: none"> Additional office supplies are available in ICP storage cabinet (Complex Auditorium) 	Enhancement: Provide location for more supplies
2	Enclosure 5.3 page 1 of 3 step 3	...yourself as the Oconee Radiation Protection ICP Liaison.	... yourself as the Oconee <u>Radiation Protection</u> (RP) ICP Liaison.	editorial
3	Enclosure 5.3 page 1 of 3 NOTE	NA	NOTE: EOF RP is in place to support the RP ICP Liaison and to provide plant data and other assistance as needed.	Enhancement
4	Enclosure 5.3 page 1 of 3 Step 5	NA	<ul style="list-style-type: none"> EOF Offsite Dose Assessment - 704-382-0746 	Enhancement
5	Enclosure 5.3 page 2 of 3 Step 7	NA	<ul style="list-style-type: none"> Notify ICP Commander 	Enhancement
6	Enclosure 5.3 page 2 of 3 Step 9	NA	Security guards are stationed around the plant and are on RWP 22 with setpoints of 5 mrem and 10 mrem/hr. If necessary, plant dose rate information can be obtained by requesting the Security ICP Liaison to ask Security guards to report ED readings	Enhancement

Attachment to 50.54q

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
7	Enclosure 5.3 page 2 of 3 Step 9	NA	<ul style="list-style-type: none"> • Wind Direction and potential impact on ICP • Radioactivity in releases (if any) from plant • Radioactivity from potential "dirty bomb" detonated on site • Potential biohazard or toxic smoke effects from onsite detonation or fire <p>Added NOTE:</p> <ul style="list-style-type: none"> • Emergency EDs in the ICP kit have setpoints of 500 mrem dose and 1,000 mrem/hr dose rate. • AFTER hostile forces have been neutralized and entry into Protected Area is required, individuals from offsite may be instructed to report to ONS Dosimetry office for dosimetry. 50 Emergency EDs (setpoints of 500 mrem dose and 1,000 mrem/hr dose rate) and TLDs are available in the Dosimetry office for issue. 	Enhancement
8	Enclosure 5.4 page 1 of 1	NA	<p>The following items were added to the inventory sheet:</p> <p>Legal pads 2</p> <p>Electronic Dosimeter Instruction Sheet 10 copies</p> <p>SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release 1 copy</p> <p>RP/0/B/1000/011, Planned Emergency Exposure 1 copy</p>	Enhancement

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

Revision No. 002

- (1) ID No. RP/0/A/1000/037
- (2) Station: OCONEE NUCLEAR STATION
- (3) Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
- (4) Section(s) of Procedure Affected:
Enclosure 5.3 (Radiation Protection ICP Liaison Guidelines)
Enclosure 5.4

- (5) Requires NSD 228 Applicability Determination?

- ☐ Yes (Procedure change with major changes) - Attach NSD 228 documentation.
- ☒ No (Procedure change with minor changes)

- (6) Description of Change: *(Attach additional pages, if necessary.)*
See attached change matrix

- (7) Reason for Change:

Editorial changes

ONS-2014-001274 & ONS-2014-003794

- (8) Prepared By Mike Stephens Mike Stephens Date 08/11/2014
- Prepared By & Mentor* John Kaminski John Kaminski Date 08/11/2014
- (9) Reviewed By* Dennis A. Crow Dennis A. Crow (QR)(KI) Date 8/12/14
- Cross-Disciplinary Review By* _____ (QR)(KI) NA Date 8/12/14
- Reactivity Mgmt. Review By* _____ (QR) NA Date 8/12/14
- Mgmt. Involvement Review By* _____ (Ops. Supt.) NA Date 8/12/14

- (10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

- (11) Approved By* Barbara M. Stiles Barbara M. Stiles Date 8/13/14

* Printed Name and Signature

§50.54(q) Screening Evaluation Form

Activity Description and References:

BLOCK 1

RP/0/A/1000/037, Rev 002, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

As proposed by ONS-2014-001274 & ONS-2014-003794

Activity Scope:

BLOCK 2

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

Change Type:

BLOCK 3

Change Type:

BLOCK 4

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

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

Planning Standard Impact Determination:

BLOCK 5

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

*Risk Significant Planning Standards

- ☐ The proposed activity does not impact a Planning Standard

Commitment Impact Determination:

BLOCK 6

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

Results:

BLOCK 7

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

Preparer Name:
Mike Stephens/
John Kaminski

Preparer Signature

Date:
08/11/2014

Reviewer Name:
Don Crowl

Reviewer Signature

Date:
8/12/14

3.10 10CFR 50.54(q) Evaluations

Emergency Planning Functional Area Manual

Attachment 3.10.7.3

§50.54(q) Effectiveness Evaluation Form

Activity Description and References: RP/0/A/1000/037, Rev 002, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

BLOCK 1

As proposed by ONS-2014-001274 & ONS-2014-003794

Activity Type:**BLOCK 2**

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

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

1. **10CFR50.47.(b)1**, Primary responsibilities for emergency response by the nuclear facility licensee and by State and local organizations within the Emergency Planning Zones have been assigned, the emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has staff to respond and to augment its initial response on a continuous basis.
2. **10CFR50.47.(b)2** On-shift facility licensee responsibilities for emergency response are unambiguously defined, adequate staffing to provide initial facility accident response in key functional areas is maintained at all times, timely augmentation of response capabilities is available and the interfaces among various onsite response activities and offsite support and response activities are specified.
3. **ONS E Plan Section A.1b**, After the station manager assumes the role as Emergency Coordinator in the Technical Support Center, the Operations Shift Manager is then able to devote his full attention to the Control Room. The Technical Support Center will provide contact to offsite agencies until relieved by the Emergency Operations Facility. Technical support and accident mitigation strategy will be provided to the control room by the Technical Support Center. Once the EOF Director assumes control of the Emergency Operations Facility, the Technical Support Center will be relieved of the responsibility of contact with offsite agencies. The EOF Director is responsible for providing technical information to the local and state governmental agencies that will be utilized to determine actions required to protect the health and safety of the public. During a security event involving an intrusion/attempted intrusion into the site by a hostile force after normal working hours, activation of the Technical Support Center will be delayed for personnel safety. In this situation the Emergency Operations Facility may be activated and relieve the Operations Shift Manager of his Emergency Coordinator responsibilities. This transfer of Emergency Coordinator responsibilities directly to the Emergency Operations Facility will allow the Operations Shift Manager to devote his full attention to the control room.
4. **ONS E Plan Section B**, Adequate staffing to provide for initial emergency response in key functional areas is maintained at all times, timely augmentation of response capabilities is available, and the interfaces among various onsite response activities and offsite support and response activities are specified.

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

The proposed changes ensure continued compliance with the requirements as detailed in 10CFR50.47b.1 and b.2, AND continued compliance with the ONS E plan as currently written. The proposed changes also provide additional detail with respect to implementation and support for the ICP

Conclusion:

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

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

The two functions identified in REG Guide 1.219 for 10CFR50.47b.1 include:

- (1) Responsibility for emergency response is assigned.
- (2) The response organization has the staff to respond and to augment staff on a continuing basis (i.e., 24/7 support) in accordance with the emergency plan.

and

the two functions have been identified in REG Guide 1.219 for 10CFR50.47b.2 include:

- (1) The process ensures that on-shift emergency response responsibilities are staffed and assigned.
- (2) The process for timely augmentation of on-shift staff is established and maintained.

The vast majority of the changes are enhancements driven from table top and practice drills. They do not reduce commitment to support the ICP they serve to enhance the performance of the RP and Ops Liaisons in the ICP by providing procedure changes based upon feedback and suggestions obtained during their own performance.

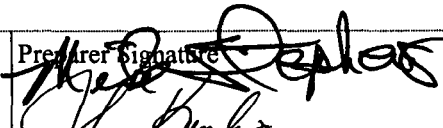


Thus as noted above the proposed changes included editorial changes along with additional enhancement details for implementing aspects of the requirements of the emergency plan. The addition of these enhancement details do not eliminate any of the functions indicated, do not reduce the functions as indicated, do not change the timing or timeliness of the functions indicated. The proposed changes serve to enhance the functions by ensuring timely turnover of appropriate information to the appropriate individual, assure functions are being performed by competent personnel until the qualified personnel arrive, and assure positions committed to support in the ICP are provided. Therefore there has been no reduction in the effectiveness of the plan as a result of the proposed change.

Conclusion:

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

Effectiveness Evaluation Results**BLOCK 6**

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

Preparer Name: Mike Stephens John Kaminski	Preparer Signature 	Date: 8-12-14 8/12/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/12/14 8/12/14
Approver Name: Pat Street	Approver Signature 	Date: 8/13/14 8/13/14

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
1	Enclosure 5.3 page 1 of 3 step 2	2. Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP.	Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP (Complex BBA Room). <ul style="list-style-type: none"> Additional office supplies are available in ICP storage cabinet (Complex Auditorium) 	Enhancement: Provide location for more supplies
2	Enclosure 5.3 page 1 of 3 step 3	... yourself as the Oconee Radiation Protection ICP Liaison.	... yourself as the Oconee <u>Radiation Protection</u> (RP) ICP Liaison.	editorial
3	Enclosure 5.3 page 1 of 3 NOTE	NA	NOTE: EOF RP is in place to support the RP ICP Liaison and to provide plant data and other assistance as needed.	Enhancement
4	Enclosure 5.3 page 1 of 3 Step 5	NA	<ul style="list-style-type: none"> EOF Offsite Dose Assessment - 704-382-0746 	Enhancement
5	Enclosure 5.3 page 2 of 3 Step 7	NA	<ul style="list-style-type: none"> Notify ICP Commander 	Enhancement
	Enclosure 5.3 page 2 of 3 Step 9	NA	Security guards are stationed around the plant and are on RWP 22 with setpoints of 5 mrem and 10 mrem/hr. If necessary, plant dose rate information can be obtained by requesting the Security ICP Liaison to ask Security guards to report ED readings	Enhancement
7	Enclosure 5.3 page 2 of 3 Step 9	NA	<ul style="list-style-type: none"> Wind Direction and potential impact on ICP Radioactivity in releases (if any) from plant Radioactivity from potential "dirty bomb" detonated on site Potential biohazard or toxic smoke effects from onsite detonation or fire <p>Added NOTE:</p> <ul style="list-style-type: none"> Emergency EDs in the ICP kit have setpoints of 500 mrem dose and 1,000 mrem/hr dose rate. AFTER hostile forces have been neutralized and entry into Protected Area is required, individuals from offsite may be instructed to report to ONS Dosimetry office for dosimetry. 50 Emergency EDs (setpoints of 500 mrem dose and 1,000 mrem/hr dose rate) and TLDs are available in the Dosimetry office for issue. 	Enhancement

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
8	Enclosure 5.4 page 1 of 1	NA	The following items were added to the inventory sheet: Legal pads 2 Electronic Dosimeter Instruction Sheet 10 copies SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release 1 copy RP/0/B/1000/011, Planned Emergency Exposure 1 copy	Enhancement

August 14, 2014

OCONEE NUCLEAR STATION

**SUBJECT: Emergency Plan Implementing Procedures
 Volume C Revision 2014-021**

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

REMOVE

Cover Sheet Rev. 2014-020

**Table of Contents
Pages 1, 2, & 3**

**RP/0/B/1000/003 A Rev 012
RP/0/A/1000/019 Rev 005
RP/0/A/1000/037 Rev 001**

INSERT

Cover Sheet Rev. 2014-021

**Table of Contents
Pages 1, 2, & 3**

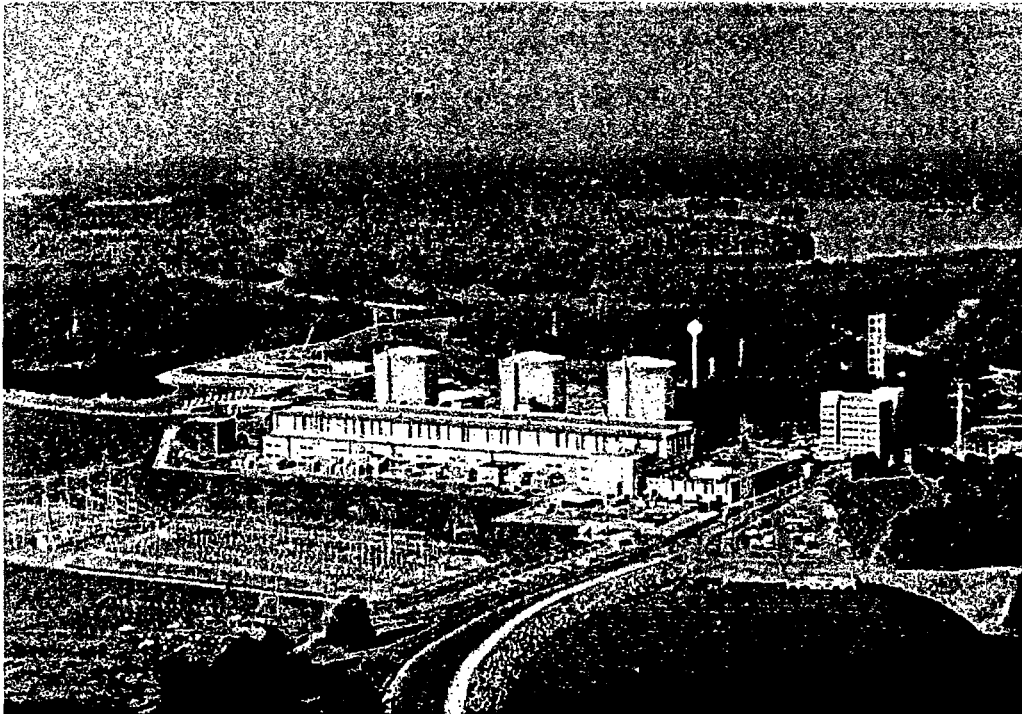
**RP/0/A/1000/003 A Rev 000
RP/0/A/1000/019 Rev 006
RP/0/A/1000/037 Rev 002**

A handwritten signature in black ink, appearing to read 'Pat Street', with a large circular flourish on the left side.


**Pat Street
ONS Emergency Planning Manager**



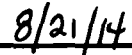
**OCONEE NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES
VOLUME C**



APPROVED:



Terry L. Patterson
Director Nuclear Org Effectiveness



Date Approved

**VOLUME C
REVISION 2014-021
August 2014**

VOLUME C

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SH/0/B/2005/001	Emergency Response Offsite Dose Projections	Rev.	006
SH/0/B/2005/002	Protocol for the Field Monitoring Coordinator During Emergency Conditions	Rev.	005
HP/0/B/1009/018	Off-Site Dose Projections	Rev.	023
HP/0/B/1009/020	Estimating Food Chain Doses Under Post- Accident Conditions	Rev.	005
HP/0/B/1009/022	On-Shift Off-Site Dose Projections	Rev.	013
HP/0/B/1009/023	Radiation Protection Emergency Response	Rev.	000
HP/0/B/1009/026	Environmental Monitoring For Emergency Conditions	Rev.	000
RP/0/A/1000/001	Emergency Classification	Rev.	001
RP/0/A/1000/002	Control Room Emergency Coordinator Procedure	Rev.	005
RP/0/A/1000/003 A	ERDS Operation	Rev.	000
RP/0/A/1000/009	Procedure For Site Assembly	Rev.	002
RP/0/A/1000/010	Procedure For Emergency Evacuation/Relocation Of Site Personnel	Rev.	001
RP/0/A/1000/015 A	Offsite Communications From The Control Room	Rev.	002
RP/0/A/1000/015 B	Offsite Communications From The Technical Support Center	Rev.	001
RP/0/A/1000/016	MERT Activation Procedure For Medical, Confined Space, and High Angle Rescue Emergencies	Rev.	001
RP/0/A/1000/017	Spill Response	Rev.	002
RP/0/A/1000/018	Core Damage Assessment	Rev.	000
RP/0/A/1000/019	Technical Support Center Emergency Coordinator Procedure	Rev.	006

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RP/0/A/1000/022	Procedure For Major Site Damage Assessment And Repair	Rev.	000
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RP/0/A/1000/028	Nuclear Communications Emergency Response Plan	Rev.	000
RP/0/A/1000/029	Fire Brigade Response	Rev.	001
RP/0/A/1000/031	Joint Information Center Emergency Response Plan	Rev.	001
RP/0/A/1000/035	Severe Weather Preparations	Rev.	001
RP/0/A/1000/036	Equipment Important to Emergency Response	Rev.	001
RP/0/A/1000/037	Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines	Rev.	002
SR/0/A/2000/001	Standard Procedure For Corporate Communications Response To The Emergency Operations Facility	Rev.	000
SR/0/B/2000/002	Standard Procedure for EOF Services	Rev.	006
SR/0/A/2000/003	Activation of the Emergency Operations Facility	Rev.	000
SR/0/A/2000/004	Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee	Rev.	000
Business Management	Business Management Emergency Plan	Rev.	012
SSG Functional Area Directive 102	SSG Emergency Response Plan – ONS Specific	Rev.	008
SCD – 110	Supply Chain Directive 110 – SCO Emergency Response Plan	Rev.	004
Engineering Manual 5.1	Engineering Emergency Response Plan	Rev.	032
Human Resources Procedure	ONS Human Resources Emergency Plan		10/13/2004

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Radiation Protection Section Manual 11.3	Off-Site Dose Assessment And Data Evaluation	Rev. 001
Safety Assurance Directive 6.1	Emergency Response Organization	Rev. 007
Safety Assurance Directive 6.2	Emergency Contingency Plan	Rev. 006
Training Division DTS-007	Oconee Training Division Training Standard	Rev. 018

Duke Energy
Oconee Nuclear Station
ERDS Operation

Procedure No.

RP/0/A/1000/003 A

Revision No.

000

Electronic Reference No.

OP009ADL

Reference Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

*Printed Name and Signature

Remarks (attach additional pages, if necessary)

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

Printed Date: *08/13/2014*

Enclosure No.: *FULL*



Revision No.: *000*



Procedure No.: *RP/0/A/1000/003 A*



ERDS Operation

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

1. Symptoms

An Alert, Site Area Emergency, or General Emergency has been declared and ERDS is required to provide data to the NRC. ERDS is to be started within one (1) hour of the emergency declaration.

2. Immediate Actions

☐ 2.1 ERDS Activation

☐ 2.1.1 ERDS Operation Started By: _____

NOTE:

- ERDS can only be activated using the following business workstations: TSC NRC Communicator, TSC Operations, Unit 1 Control Room SRO, Unit 2 Control Room SRO, Unit 3 Control Room SRO, Process Computer Systems Unit 1 OAC Room or Process Computer Systems OOB Computer Room.
- ERDS activation is performed by an SRO or the TSC NRC Communicator.

☐ 2.1.2 If required refer to *KVM Usage Instructions* to login to user console and select the Business (**BUS**) workstation menu selection.

☐ 2.1.3 Log onto the TSC NRC Communicator Business (**BUS**) workstation or other authorized business workstations for ERDS activation using your normal network login id.

☐ 2.1.4 From the Windows Desktop, **Double-Click** on the ERDS Activation Icon to activate ERDS Link Control and Status Display.

☐ 2.1.5 Examine the OAC time information on the right side of the display and verify that OAC Time is current time and OAC Time Rate is anything other than zero (0) for each Unit to be activated.

☐ A. Unit 1

☐ B. Unit 2

☐ C. Unit 3

☐ 2.1.6 **IF** OAC time issues are experienced,

THEN go to step 2.1.9.

☐ 2.1.7 Select the Connect (Activate) Target Area with the mouse to initiate ERDS communication for each ONS Unit requiring activation.

☐ A. Record the Date and Time ERDS communication was initiated below:

Unit 1 Date _____ Time _____ Initials _____

Unit 2 Date _____ Time _____ Initials _____

Unit 3 Date _____ Time _____ Initials _____

NOTE:

- The Status Column can indicate **Connecting, Reconnecting, Connected, LINK Sent, Waiting for ACCEPT, ACCEPT Received, Waiting for INITIATE and Transmitting Data**. However, some responses may not have been seen during actual connection due to response time and update of display. The Status of **Transmitting Data** with Messages Sent incrementing indicates appropriate connectivity for communications.
- Other possible Statuses are:
Suspended -> NRC has suspended transmission temporarily.
Denied -> Plant's request for a connection has been denied by NRC.
- If the connection is lost for some reason, the Status Column will display Connecting then Reconnecting, followed by Connected, LINK Sent, Waiting for ACCEPT, ACCEPT Received, Waiting for INITIATE and Transmitting Data.

☐ 2.1.8 **VERIFY** that the ERDS Link Control and Status Display for each Unit activated, indicates Current Mode = Connect, Status = Transmitting Data and Messages Sent = "*Incrementing*".

☐ A. Unit 1

☐ B. Unit 2

☐ C. Unit 3

- ☐ 2.1.9 **IF** ERDS does not connect with the NRC after several minutes or activation problem experienced,

THEN Notify the NRC using the ENS Phone Line.

- ☐ A. Record the Date and Time of this notification.

 Date _____ Time _____ Initials _____

- ☐ 2.1.10 **IF** Instructed by the NRC to restart ONS ERDS communication,

THEN Re-perform steps 2.1.7 and 2.1.8.

3. Subsequent Actions

- 3.1 **IF** required to return to your login screen

THEN refer to Steps 2.1.2, 2.1.3 and 2.1.4 for guidance

- 3.2 Stopping ERDS transmission after event termination.

NOTE: The Status Column should indicate Terminating followed by Disconnected.
--

- ☐ 3.2.1 On the ERDS Link Control and Status Display for ONS, Select the Disconnect (Deactivate) Target Area with the mouse to terminate ERDS communication for each ONS Unit activated.

A. Record the Date and Time ERDS communication was terminated below:

☐ Unit 1 Date _____ Time _____ Initials _____

☐ Unit 2 Date _____ Time _____ Initials _____

☐ Unit 3 Date _____ Time _____ Initials _____

- ☐ 3.2.2 **VERIFY** that the ERDS Link Control and Status Display for each Unit activated, indicates Current Mode = Disconnect, Status = Disconnected and Messages Sent = 0.

☐ A. Unit 1

☐ B. Unit 2

☐ C. Unit 3

PROCEDURE PROCESS RECORDRevision No. 000**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title ERDS OPERATION
- (4) Prepared By Natalie Harness Date 7/16/2014
 Prepared By & Mentor* John Kaminski Date 7/16/2014
- (5) Requires NSD 228 Applicability Determination?
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☒ No (Creates procedure RP/0/A/1000/003A, Rev 000 with revised Safety Classification)
- (6) Reviewed By* Donna A. Crail (QR)(KI) Date 8/13/14
 Cross-Disciplinary Review By* _____ (QR)(KI) NA MC Date 8/13/14
 Reactivity Mgmt Review By* _____ (QR) NA MC Date 8/13/14
 Mgmt Involvement Review By* _____ (Ops. Supt.) NA MC Date 8/13/14
- (7) Additional Reviews
 Reviewed By* _____ Date _____
 Reviewed By* _____ Date _____
- (8) Approved By* Patrick M. Stages Date 8/13/14

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

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

COMPLETION

- (11) Procedure Completion Verification:
☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?
☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
☐ Yes ☐ NA Required enclosures attached?
☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?
☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?
☐ Yes ☐ NA Procedure requirements met?
 Verified By* _____ Date _____
- (12) Procedure Completion Approved _____ Date _____
- (13) Remarks (Attach additional pages, if necessary)
 Printed Name and Signature

PROCEDURE PROCESS RECORD

Revision No. 000

Procedure Title: ERDS OPERATION

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

Creates procedure RP/0/A/1000/003A, Rev 000 with revised Safety Classification

PCR Numbers Incorporated

NA

Enclosure

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

(1) ID No. RP/0/A/1000/003A

Revision No. 000

Change No.

Permanent/Restricted to

(2) Station: OCONEE NUCLEAR STATION

(3) Procedure Title: ERDS OPERATION

(4) Section(s) of Procedure Affected: Safety Classification Revision

(5) Requires NSD 228 Applicability Determination?

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

☒ No (Procedure change with minor changes)

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

To align our E-Plan implementing Procedures with NSD-703 permanent technical procedures requirements as determined by PIP O-12-1590, ONS Emergency Planning will revise the procedure titles (as procedure revisions become necessary) to incorporate the Safety Classification to "A" from "B".

(7) Reason for Change:

Safety Classification Revision: this change is to renumber/reclassify procedures from RP/0/B/1000/003A to RP/0/A/1000/003A, no changes to intent or content.

Reason for Change: NSD-703, Section 5.1, permanent technical procedures and used to direct station activities during operating, testing, refueling, maintenance, and modifications. These procedures provide guidance for activities that are of repetitive nature, or when conditions requiring the procedure may occur in the future and the procedure is essential if the situation occurs.

(8) Prepared By Natalie Harness  Date 7/16/2014

Prepared By & Mentor* John Kaminski  Date 7/16/2014

(9) Reviewed By* Dennis A. Crowl  (QR)(KI) Date 8/13/14

Cross-Disciplinary Review By* _____ (QR)(KI) NA see Date 8/13/14

Reactivity Mgmt. Review By* _____ (QR) NA see Date 8/13/14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA see Date 8/13/14

(10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

(11) Approved By* Pomlen M. Stacey  Date 8/13/14

* Printed Name and Signature

§50.54(q) Screening Evaluation Form**Activity Description and References:**

RP/0/B/1000/003A, Rev 012: SUPERSEDED
RP/0/A/1000/003A, Rev 000, ERDS OPERATION

Activity Description:

To align our E-Plan implementing Procedures with NSD-703 permanent technical procedures requirements as determined by PIP O-12-1590, ONS Emergency Planning will revise the procedure titles (as procedure revisions become necessary) to incorporate the Safety Classification to "A" from "B".

Reason for Change:

NSD-703, Section 5.1, permanent technical procedures and used to direct station activities during operating, testing, refueling, maintenance, and modifications. These procedures provide guidance for activities that are of repetitive nature, or when conditions requiring the procedure may occur in the future and the procedure is essential if the situation occurs.

Activity Scope:

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

Change Type:

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

Change Type:

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

Safety Classification Revision from "B" to "A"**Planning Standard Impact Determination:**

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

***Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

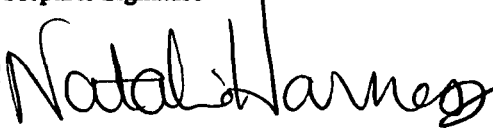
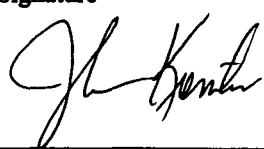
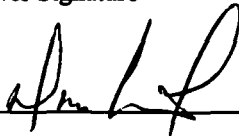
Commitment Impact Determination:

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

Results:

This title change is a result of an INOS PIP O-12-1590 making the determination that NSD-70, Section 5.1 requires all Emergency Response Procedures to be permanent technical procedures thus resulting in all ONS E-Plan Implementing Procedures having a Safety Classification designation letter of "A" and not "B" in the ID number of that procedure. This title revision in no way compromises the contents of the procedure or its effectiveness of use during an emergency event. Nor does this title ID change affect the required review period for this procedure of every 6 years. It has been determined that this revision will not reduce effectiveness of this emergency response procedure. The revision to the step number is an editorial change only. No changes to content or intent. This revision does not require a 50.54q effectiveness evaluation; there is not a reduction in the effectiveness of the E-Plan.

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

Preparer Name: Natalie Harness	Preparer Signature 	Date: 7/16/2014
Preparer Name: (Mentor) John Kaminski	Signature 	Date: 7/16/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/13/14

**Duke Energy
Oconee Nuclear Station
Technical Support Center Emergency Coordinator
Procedure**

Procedure No.

RP/0/A/1000/019

Revision No.

006

Electronic Reference No.

OP009A62

Reference Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

**Printed Name and Signature*

Remarks (attach additional pages, if necessary)

IMPORTANT: Do NOT mark on barcodes.

Printed Date: *08/13/2014*

Enclosure No.: *FULL*



Revision No.: *006*



Procedure No.: *RP/0/A/1000/019*



Technical Support Center Emergency Coordinator Procedure

NOTE:

- This procedure is an implementing procedure to the Oconee Nuclear Station Emergency Plan and must be:
 1. Reviewed in accordance with 10CFR50.54(q) prior to approval
 2. Forwarded to Emergency Planning within seven (7) working day of approval.
- For an outside line dial "9" and for long distance dial "1".

1. Symptoms

- 1.1 Conditions exist where events are in progress or have occurred which indicate a potential degradation in the level of safety of the plant and activation of the Emergency Response Organization (ERO) has been initiated.

2. Immediate Actions

- NOTE:**
- The makeup and structure of the ERO organization will be determined by the facility Manager/Coordinator. The facility organizations may be modified or supplemented as necessary to support the particular circumstances given to the existing onsite and offsite conditions. Consider the need for unit specific responses in the event of the implementation of Beyond Design Basis guidance (SAMG, EDMG, etc.) for more than one unit. Unit specific response teams with Ops Superintendent, Nuclear Engineer and an Engineering Manager should assemble in the TSC, and Unit Specific OSC Manager in the OSC as well as supporting craft personnel in the alternate TSC / OSC for unit specific response for each affected unit.
 - Vacant ERO positions may be filled with other plant staff members currently present in the facility AND who are specifically designated to fill the vacant position by the Emergency Coordinator. Individual(s) designated to fill a vacancy should be selected based upon experience and skills required to complete that ERO function. This is only a substitute designation for the unmanned ERO position and does NOT satisfy the requirement for the trained/qualified ERO position.

- NOTE:**
- Enclosure 4.2 contains listing of abbreviations/acronyms.
 - Actions in Sections 2.0 and 3.0 **are NOT** required to be followed in any particular sequence.
 - Place keeping aids: ☐ at left of steps may be used for procedure place keeping (☒). Major events are required to be documented in the TSC Emergency Coordinator Log.
 - Enclosure 4.8 lists steps which may be delegated to an Assistant Emergency Coordinator or Emergency Planner.

- ☐ 2.1 Establish, **OR** have the Assistant Emergency Coordinator/Emergency Planner establish, the Technical Support Center as operational by doing the following: {10}
- ☐ 2.1.1 Use the attached Enclosure 4.3 (TSC Personnel Log Sheets) for sign-in by all personnel reporting to the TSC. Assign responsibility to the Tech Assistant to the Emergency Coordinator.
- ☐ 2.1.2 Ensure **Names** are also listed on the TSC Personnel Status Board in the TSC.

NOTE: The TSC **must** assume turnover from the Control Room within **75 minutes** of the initiating Emergency Classification time.

- ☐ 2.1.3 Determine the following minimum staff requirements for TSC activation.

NAME

Emergency Coordinator	_____
Dose Assessment Liaison	_____
Nuclear Engineering	_____
Offsite Communicator	_____
Tech Assistant to the EC	_____

- NOTE:**
- GETS cards are available in the GETS Binder located in the TSC Supply Cabinet. Their use will enable communications when phone lines are busy or overloaded. See instructions on back of card.
 - For communications failures, see RP/0/A/1000/015B, Offsite Communications From The Technical Support Center, Enclosure 4.9 Alternate Method and Sequence to Contact Agencies.
 - Satellite Telephones are available in all Control Rooms, the TSC and the OSC. They can be used when other means of communication have failed. {27}

- ☐ 2.1.4 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the phone system is operational or make other provisions for communications. {10}
- ☐ 2.1.5 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the OSC is Operational. {10}
- ☐ 2.1.6 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that Technical Assistant to the Emergency Coordinator has started a log of TSC actions and activities. {10}
- ☐ 2.1.7 **IF** Activation of the Alternate TSC is required prior to completion of turnover with the OSM.

THEN REFER TO Step 1.0 of Enclosure 4.6 (Alternate TSC and/or OSC Activation). {31}

- 2.2 IF: Turnover has been completed from Control Room to EOF,
THEN: Acknowledge turnover complete,
Request: Plant status turnover from OSM, include the following:

Parameter	Unit 1	Unit 2	Unit 3
Rx Power			
Temp			
Pressure			
Issues needing help with			
SPOC working on			

- ☐ IF: Turnover has not yet been completed from Control Room to EOF:
THEN: Receive turnover from the Shift Manager using Enclosure 4.1, (Shift Manager to TSC Emergency Coordinator Turnover Sheet)

- ☐ 2.2.1 Determine if OSC is operational {22}
- ☐ 2.2.2 Determine if TSC Offsite Communicator has completed turnover with Control Room Offsite Communicator {21}
- ☐ 2.2.3 Declare TSC and OSC activated time _____

- ☐ 2.3 Determine the status of Site Accountability from the TSC Offsite Communicator.

NOTE: RP/0/A/1000/009, Procedure for Site Assembly, is initiated when site accountability is required and contains roles and responsibilities for site personnel in completing site accountability. {23}

- ☐ 2.3.1 Direct the TSC/OSC Liaison to have a **Search & Rescue Team** dispatched from the OSC if personnel within the Protected Area have not been accounted for by their group.
- ☐ 2.4 Verify **OR** have the Assistant Emergency Coordinator/Emergency Planner verify that the electronic status board is set up and that someone is available to maintain it. {10}
- ☐ 2.5 Discuss any off-site radiological concerns with the TSC Dose Assessment Liaison.
- ☐ 2.6 Activate **OR** have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System. {7}{10}
- ☐ 2.6.1 Flip the power switch UP on the PA system amplifier located inside the communications cabinet.
- ☐ 2.6.2 Depress the microphone switch and hold in position while making PA announcements.
- ☐ 2.6.3 Announce the following information over the TSC/OSC PA System:
- ☐ A. The current Emergency Classification level and plant status.
- ☐ B. As of _____ (activation time), the TSC has assumed command and control of the event. {7}

☐ C. "Anyone who is reporting to this facility outside of your normal work hours and has consumed alcohol within the past five (5) hours or believes their work quality may be compromised due to fatigue, notify either the Emergency Coordinator in the TSC or the OSC Manager in the OSC."

{28}

☐ D. "Personnel should assume that areas are contaminated until surveyed by RP."

☐ E. "No eating or drinking, until the TSC and OSC are cleared by RP."

NOTE: Do NOT release personnel from Site Assembly until all site personnel are accounted for.
{32}

☐ 2.7 Turn office page over ride switch **ON**, **OR** have the Assistant Emergency Coordinator/ Emergency Planner turn the office page over ride switch **ON**. {10}

2.7.1 Dial **70** on the Emergency Coordinator's phone.

2.7.2 Announce the following information over the Plant Public Address System:

Drill Message:

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

This is a drill. This is a drill.

You have been assembled as a part of an emergency exercise. The simulated emergency conditions are _____

If this were a real emergency, you would be asked to remain assembled waiting on further information or given instructions to leave the site as part of an Early Dismissal or in accordance with our site evacuation plan. At this time, however, we will continue with the emergency exercise and personnel not actively participating in the drill may now return to your normal work assignments. I repeat.... personnel not actively participating in the drill may now return to your normal work assignments. This is a drill. This is a drill. Thank you for your participation.

Emergency Message:

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

This is an emergency message.

At the present time we have a(n) _____ emergency classification. The plant status is as follows _____

Please remain at your site assembly location until you receive further instructions. Information will be provided to you as conditions change.

- ☐ 2.8 Contact, **OR** have the Assistant Emergency Coordinator/Emergency Planner contact the State Director of Emergency Management at the SEOC. {10}

NAME**TELEPHONE NUMBER**

SDEM _____ (803) 737-8500

2.8.1 Inform the TSC Offsite Communicator whenever the SEOC is activated.

2.8.2 **IF** The SEOC has **NOT** been activated,

THEN Contact the County Directors of Emergency Management (CDEM) to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- ☐ 2.9 Perform the following concurrently.
1. Use Step 2.10 for emergency classification.
 2. Use Step 2.11 for turnover to the EOF Director.
 3. Use steps in 3.0 for tasks that must continue regardless of emergency classification.
 4. During a security event arrange for a qualified Emergency Coordinator to go to the near site Incident Command Post (ICP) to act as a liaison between the Incident Command Post and the TSC. (Ref. RP/0/A/1000/037)

(Step 2.10 on next page)

☐ 2.10 Review emergency classification and verify that it meets the criteria of RP/0/A/1000/001 (Emergency Classification).

- Discuss changing plant conditions with the Superintendent of Operations.
- Discuss emergency classification prior to making recommendations.
- Use the following definitions and provide the Event Prognosis to the Offsite Communicator for completing line #8 on the Emergency Notification Form. {14}

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

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

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

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

Stable: Plant conditions are neither degrading nor improving.

☐ 2.10.1 **IF** An Unusual Event Classification exists,

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is **NO** need to complete the follow-up message. 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.

- ☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions.

- Make the notification for the lesser emergency classification within 15 minutes.
- Inform the agencies that an upgrade in classification will be coming.
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration. {19}

- ☐ B. Notify counties/state within 15 minutes of event classification.

NOTE:

- NRC should be notified immediately after notification of Offsite Agencies **but NOT** later than **one (1) hour** after declaration of the emergency.
- Notification to the NRC of Security events is required within 15 minutes of initiation of the Security event.

- ☐ C. Announce over the Plant Public Address System,
 "A(n)_____ (Emergency Classification Level) has been
 declared for _____ (affected Unit). The current plant condition is

 (stable, degrading, improving, what has occurred, etc.)

- ☐ D. Notify NRC of event classification/Security event.

- Remind the TSC NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet prior to contacting the NRC.

NOTE:

- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.
- Enclosure 4.7 provides a description of Condition "A" and "B".
 {9}

- ☐ E. **IF** Condition "B" at Keowee exists,
- THEN** Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).

{4}{10}

- ☐ F. Discuss **OR** have the Assistant Emergency Coordinator discuss classification with State Director Emergency Management and County Director(s) Emergency Management. {10}

NAME

TELEPHONE NUMBER

State Director,
Emergency Management

(803) 737-8500

Oconee County Director
Emergency Management

(864) 638-4200

Pickens County Director
Emergency Management

(864) 898-5943

- ☐ G. **IF** An Unusual Event classification is being terminated

THEN **REFER TO** Enclosure 4.5, (Emergency Classification Termination Criteria) of this procedure for termination guidance.

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

- ☐ 1. Notify Emergency Preparedness that the Unusual Event has been terminated.
- ☐ 2. Emergency Preparedness shall hold a critique following termination of the Unusual Event.

(Step 2.10.2, Alert Classification on next page)

☐ 2.10.2 **IF** An Alert Classification exists,

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is no need to complete the follow-up message. 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.

☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions:

- Make the notification for the lesser emergency classification within 15 minutes
- Inform the agencies that an upgrade in classification will be coming
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration {19}

☐ B. Notify counties/state within 15 minutes of event classification

☐ C. Announce over the Plant Public Address System,

"A(n)_____ (Emergency Classification Level) has been declared for _____ (affected Unit). The current plant condition is _____
(stable, degrading, improving, what has occurred, etc.)

☐ D. Follow Up Notifications (updates) are required a minimum of every 60 minutes

NOTE: Notification of the NRC of Security events is required within 15 minutes of the initiation of the Security event. {18}

☐ E. Notify NRC of event classification/Security event.

☐ F. Start ERDS -TSC NRC Communicator, - RP/0/A/1000/003A (ERDS Operation)

- ☐ G. Discuss, **OR** have the Assistant Emergency Coordinator discuss change in classification with the State Director of Emergency Management (SDEM) and County Directors of Emergency Management (CDEM) {10}

	<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM	_____	(803) 737-8500

1. **IF** The SEOC has not been activated,
THEN Contact the CDEM to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B". {9}

- ☐ H. **IF** Condition "B" at Keowee exists,
THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification). {4}{10}

- ☐ I. Evaluate with TSC personnel the need to conduct an Early Dismissal of non-essential site personnel. Take into consideration wind direction, Security concerns, potential for classification upgrade, and 24 hour staffing needs.

(Step 2.10.3, Site Area Emergency Classification on next page)

☐ 2.10.3 **IF** A Site Area Emergency Classification exists

THEN Initiate the following actions:

NOTE: If a follow-up message is due and an upgrade to a higher classification is declared, there is no need to complete the follow-up message. 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.

☐ A. **IF** An upgrade in classification occurs prior to or while transmitting initial message:

THEN Perform the following actions.

- Make the notification for the lesser emergency classification within 15 minutes
- Inform the agencies that an upgrade in classification will be coming
- Begin a new initial message for the higher classification and complete it within 15 minutes of its declaration {19}

NOTE: A change in Protective Action Recommendations (PARs) has a fifteen (15) minute notification requirement following determination of the new or revised PARs. {15}

☐ B. Notify counties/state within 15 minutes of event classification

☐ C. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists

THEN Make the following protective action recommendations to

Oconee County and Pickens County for imminent/actual dam failure and include on the Emergency Notification Form under Section 5 (B) and (E):

1. Move residents living downstream of the Keowee Hydro Project dams to higher ground.
2. Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

- ☐ D. Announce over the Plant Public Address System,
"A(n) _____ (Emergency Classification Level) has been
declared for _____ (affected Unit). The current plant condition is

(stable, degrading, improving, what has occurred, etc.)
- ☐ E. Follow Up Notifications (updates) are required a minimum of every
60 minutes.

NOTE: Notification to the NRC of Security events is required within 15 minutes of the initiation
of the Security event. {17}

- ☐ F. Notify NRC of event classification/Security event.
- ☐ G. Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS
Operation).
- ☐ H. Discuss, **OR** have the Assistant Emergency Coordinator discuss change in
classification with SDEM and CDEM. {10}

<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM _____	(803) 737-8500

1. **IF** The SEOC has not been activated,
THEN Contact the CDEM to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- ☐ I. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists
THEN REFER TO OR have the Assistant Emergency Coordinator
REFER TO Step 3.2. {10}

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B" {9}

☐ J. **IF** Condition "B" at Keowee exists

THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).
{4}{10}

☐ K. **IF** The site has sustained major damage

THEN Direct implementation of RP/0/A/1000/022, Procedure For Major Site Damage Assessment And Repair.

(Step 2.10.4, General Emergency Classification, on next page)

2.10.4 **IF** A General Emergency Classification exists,

THEN Initiate the following actions:

☐ A. Request TSC Dose Assessors to refer to RP/0/A/1000/024, Protective Action Recommendations, to determine protective actions.

☐ B. **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists,

THEN Make the following protective action recommendations to Oconee County and Pickens County for imminent/actual dam failure and include on the Emergency Notification Form under Section 5 (B) and (E):

1. Move residents living downstream of the Keowee Hydro Project dams to higher ground.
2. Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

NOTE: A change in Protective Action Recommendations (PARs) has a fifteen (15) minute notification requirement following determination of the new or revised PARs. {15}

☐ C. Notify counties/state within 15 minutes of event classification

☐ D. Announce over the Plant Public Address System,
"A(n) _____ (Emergency Classification Level) has been
declared for _____ (affected Unit). The current plant condition is

(stable, degrading, improving, what has occurred, etc.)

☐ E. Follow Up Notifications (updates) are required a minimum of every 60 minutes.

NOTE: Notification to the NRC of Security events is required within 15 minutes of the initiation of the Security event. {18}

☐ F. Notify NRC of event classification/Security event.

☐ G. Start ERDS (TSC NRC Communicator - RP/0/A/1000/003 A (ERDS Operation)).

- ☐ H. Discuss or have the Assistant Emergency Coordinator Discuss change in classification and Protective Action Recommendations with SDEM and/or CDEM. Provide any known information concerning conditions that would make evacuation dangerous.

	<u>NAME</u>	<u>TELEPHONE NUMBER</u>
SDEM	_____	(803) 737-8500

1. **IF** The SEOC has not been activated,
THEN Contact the CDEM to discuss plant status.

Oconee CDEM _____ (864) 638-4200

Pickens CDEM _____ (864) 898-5943

- ☐ I. **IF** Condition A, Dam Failure (Keowee or Jocassee) exists

THEN **REFER TO OR** have the Assistant Emergency Coordinator
REFER TO, Step 3.2. {10}

- NOTE:**
- Condition "B" for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the TSC Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County. {2}
 - Enclosure 4.7 provides a description of Condition "A" and "B". {9}

- ☐ J. **IF** Condition "B" at Keowee exists,

THEN Notify **OR** have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).
{4}{10}

(Step 2.11 on next page)

NOTE: EOF Director will notify the Emergency Coordinator when the information has been received and establish a time for turnover. Turnover should be initiated **As Soon As Possible**. A goal of 30 minutes should be used to complete turnover after the EOF is declared *Operational*. {1}

☐ 2.11 Prepare for turnover with the EOF by performing the following:

2.11.1 Complete information in Enclosure 4.9, Emergency Coordinator Turnover Checklist.

2.11.2 Fax Enclosure 4.9 to the Charlotte EOF.

A. Provide Enclosure 4.9 to the TSC Offsite Communicator.

B. Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: (704)-382-1825.

☐ 2.12 **When** notified by the EOF Director that the EOF is operational, notify the following TSC personnel to exchange information with their counterpart in the EOF.

<u>TSC</u>	<u>EOF Counterpart</u>
TSC Dose Assessment Liaison	Radiological Assessment Manager
TSC Offsite Communicator	Lead Off-Site Agency Communicator
TSC/EOF OPS Liaison	Accident Assessment Manager

☐ 2.13 When notified by the EOF Director, conduct turnover with the EOF.

☐ 2.13.1 Emergency Coordinator turnover to EOF Director complete.

Time EOF Activated _____

☐ 2.13.2 Request NRC Communicator to notify the NRC EOC that the EOF is activated.

☐ 2.13.3 Make announcement to TSC/OSC that EOF is activated. {6}

3. Subsequent Actions

- 3.1 **IF** A Loss of Power, loss of SDS or other event occurs in which plant parameter data is unavailable

THEN Perform the following actions:

- ☐ 3.1.1 Locate copy(s) of the Plant Parameter Data Sheets for the affected units(s) in the procedure cart.
- ☐ 3.1.2 Request Operations Superintendent have someone manually collect plant parameter data from the Control Room(s) approximately every 15 minutes.
- ☐ 3.1.3 Provide plant parameter data to NRC Communicator, Engineering and anyone else who needs this information. {16}

- ☐ 3.2 **IF** Condition "A", Dam Failure (Keowee or Jocassee) exists

THEN Perform **OR** have the Assistant Emergency Coordinator perform the following actions: {10}

- 3.2.1 **IF** Early Dismissal of non-essential site personnel has **NOT** occurred

THEN Notify OSC to implement RP/0/A/1000/010, Procedure For Emergency Evacuation/Relocation of Site Personnel.

- ☐ 3.2.2 Notify Hydro Central if Keowee Personnel are relocated to the OSC. {4}
- ☐ 3.2.3 Notify Hydro Central and provide information related to the event. Refer to the Emergency Telephone Directory. {4}

NOTE: A loss of offsite communications capabilities (Selective Signaling and the WAN) could occur within 1.5 hours after Keowee Hydro Dam failure. Rerouting of the fiber Optic Network through Bad Creek should be started **AS SOON AS POSSIBLE**.

- ☐ 3.2.4 **IF** The EOF is **NOT** activated

THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory.

- ☐ 3.2.5 Ensure Operations has dispatched operators to the SSF and established communications.

☐ 3.2.6 **WHEN** It is time for shift relief/turnover

THEN Coordinate orderly shift change of TSC Staff, maintaining oversight, decorum and noise levels.

1. Ensure turnover of TSC EC responsibilities includes the following:

- Review of event timeline (what occurred when and if known why)
- Review of command and control responsibilities (who is responsible for):
 - Classifications and declarations (also what EAL currently in)
 - State and Local Notifications (and when last done, when next due)
 - NRC Communications (and when last done, when next due)
 - PARs (and Status, any made, any in progress)
 - Accountability (status, any missing)
 - Evacuations (any done, any in progress)
 - Damage repairs in progress and/or completed.
- Review of staffing issues/concerns
- Review of release status
- Review core damage status
- Review any SAMGs, OSAGs, EOPs in progress

2. Make a PA announcement to the TSC and OSC stating the following:

"Attention in the TSC/OSC, This is _____(your name). I have assumed the TSC Emergency Coordinator as of _____(time)."

3. Notify State and Local agencies as well as NRC of the change in TSC EC.

☐ 3.3 **IF** A Security event occurs or is suspected

THEN Refer to Enclosure 4.10 for guidance on managing the Security event.

☐ 3.4 Periodically evaluate with TSC personnel the need to conduct evacuation. Log the status of this action on the TSC Status Board.

- NOTE:**
- Twenty-four (24) hour staffing **must be** accomplished prior to personnel being evacuated from the site per RP/0/A/1000/010 (Procedure for Emergency Evacuation/Relocation of Site Personnel).
 - Determine if personnel with special radiological exposure limits need to be evacuated (e.g.; declared pregnant women, personnel with radio-pharmaceutical limitations).

- ☐ 3.4.1 Consider the following for making Site Evacuation decisions:
- Alert - Evaluate actual plant conditions and determine if Early Dismissal of non-essential site personnel is the prudent thing to do.
 - Site Area Emergency - consider evacuation/relocation of non-essential site personnel. World of Energy personnel should be evacuated at the same time as non-essential personnel.
 - General Emergency - evacuate all non-essential personnel.
 - Notify the EOF anytime personnel are relocated on site or evacuated from the site.

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

{5}

- ☐ 3.5 Periodically evaluate the need to operate the outside air booster fans (Control Room Pressurization and Filter System - CRVS) with TSC personnel. Log status of this system on the TSC Status Board.

- NOTE:**
- Outside air booster fans are used to provide positive pressure in the Control Room/TSC/OSC to prevent smoke, toxic gas, or radioactivity from entering the area as required by NUREG 0737, Control Room Habitability.
 - Chlorine Monitor Alarm will either stop the outside air booster fans **OR** will not allow them to start.

- ☐ 3.5.1 **IF** Smoke/toxic gas in the Turbine Building or Auxiliary Building is expected to reach the Control Room

THEN Instruct the Control Room to turn **ON** the outside air booster fans.

Fans On _____ Time_____

- ☐ A. Request OSC to verify operability of the Control Room Ventilation System per OP/0/A/1104/019 (Control Room Ventilation System).

- ☐ 3.5.2 **IF** RIA-39 is in **Alarm**

THEN Verify that the Control Room has turned on the outside air booster fans.

☐ A. Request OSC to verify operability of the Control Room Ventilation System per OP/0/A/1104/019 (Control Room Ventilation System).

☐ B. Request backup air sample from the OSC to verify RIA alarm

☐ C. **IF** Air sample determines that RIA-39 alarm is not valid

THEN Secure outside air booster fans.

☐ D. **IF** Air sample determines that RIA-39 alarm is valid

THEN Isolate the source of airborne contamination to the Control Room/TSC/OSC.

☐ E. **IF** Dose levels in the Control Room/TSC/OSC are being increased by the addition of outside filtered air

THEN Secure outside air booster fans.

Fans Off _____ Time _____

☐ 3.6 Periodically evaluate the need to activate the Alternate TSC and/or OSC.

☐ 3.6.1 **IF** Activation of the Alternate TSC and/or OSC is required

THEN **REFER TO** Step 2.0 of Enclosure 4.6 (Alternate TSC and/or OSC Activation). {31}

☐ 3.6.2 Notify the EOF Director once relocation to the Alternate TSC is completed.

- Ensure continuous accountability of personnel when using the Alternate TSC and/or OSC. {31}

NOTE: The NRC will send a response team to the site at a Site Area or General Emergency Classification.

☐ 3.7 **IF** An NRC team is enroute,

THEN Assign a qualified Emergency Coordinator to be the NRC Site Coordinator for the arriving NRC team. {23}

☐ 3.7.1 Notify NRC Site Coordinator to report to the TSC for an update on plant conditions.

- A. Record NRC Site Coordinator's name on Enclosure 4.4 (NRC Site Team Response Form).
 - B. Brief NRC Site Coordinator on current plant conditions.
- ☐ 3.7.2 Provide Enclosure 4.4 (NRC Site Team Response Form), to the TSC NRC Communicator.
 - A. Instruct TSC NRC Communicator to complete Steps 1.2 – 1.5 of Enclosure 4.4 (NRC Site Team Response Form).
- ☐ 3.7.3 Notify OSC Manager and request RP Manager and Security to implement actions required to process NRC Site Team.
- ☐ 3.8 Provide periodic updates to the EOFD concerning plant status. Request the EOFD to provide dose assessment and field monitoring data to the TSC on a periodic basis.
 - ☐ 3.8.1 **IF** Failed Fuel Condition Two (2) has been determined,
THEN Immediately notify the EOFD.
 - A. Failed Fuel Condition Two (2) requires additional Protective Action Recommendations.
- ☐ 3.9 Authorize exposure greater than normal operating limits for planned equipment repair missions and/or emergency lifesaving missions.
 - 3.9.1 Approval may be either verbal or written.
 - 3.9.2 This authority may be delegated to the RP Manager in the OSC.
- ☐ 3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system.

NOTE:

1. During declared emergencies, Duke Energy does **NOT** need to meet Fatigue Work Rule 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.
2. Consider hours previously worked prior to ERO activation in determining shift turnover schedules for 24 hour staffing. {28}

- ☐ 3.11 Establish **OR** have the Assistant Emergency Coordinator/Emergency Planner establish twenty-four (24) hour staffing and have the Managers prepare as needed. {10}
 - 3.11.1 TSC Personnel Log Sheets (Enclosure 4.3) are to be used for this purpose.

NOTE: Long term use of the SFP as a makeup source will deplete the SFP inventory. Engineering has evaluated and approved the following method for refilling of the SFP with filtered lake water.

☐ 3.12 **IF** Offsite fire apparatus is needed to provide water to the Spent Fuel Pool

THEN Request the EOFD to contact the Oconee CDEM to provide sufficient fire apparatus (at least 3 pumper trucks of 1000 gpm, or greater capacity) to Oconee Nuclear Site (If available, Keowee Ebenezer, Corinth Shiloh, or Keowee Rural Volunteer Fire Departments should be requested to provide support).

☐ 3.12.1 Provide the OSC Manager with the following information and request support from the OSC:

- Fire apparatus is being dispatched from Oconee County to provide water to the Spent Fuel Pool
- Request Security Liaison to have Security Officers meet the fire apparatus at the determined site entrance
- Request Maintenance Manager to initiate AM/0/A/3009/012A (Emergency Plan For Refilling Spent Fuel Pool).

NOTE:

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

☐ 3.13 **IF** Plant conditions require a decision to implement 10CFR50.54(x)

THEN Perform the following steps:

☐ 3.13.1 Document decision and actions taken in the affected units log.

☐ 3.13.2 Document decision and actions taken in the Control Room Emergency Coordinator Log.

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

- ☐ 3.13.3 Request Control Room/TSC NRC Communicator to report decision and actions taken to the NRC.

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

- ☐ 3.14 **IF** Plant conditions require NRC notification under 10CFR50.72,
THEN Request the Control Room/TSC NRC Communicator to provide this notification using the guidance in OMP 1-14, (Notifications).
- ☐ 3.15 **IF** Notified by the EOF of a change in emergency classification,
THEN Request the Control Room/TSC NRC Communicator to notify the NRC of the change.
- ☐ 3.16 **IF** A LOCA exists inside containment,
THEN Request the Operations Superintendent to have Operations personnel refer to OP/0/A/1104/019 (Control Room Ventilation System) to verify proper operation of the Control Room Ventilation System. {3}
- ☐ 3.17 **IF** Restoring power from a LOOP event.
THEN Have Engineering Manager notify Accident Assessment in the EOF to assess the risk significance of power restoration for potential risk. {24}
- ☐ 3.18 Announce SAMG transition to TSC/OSC/EOF personnel so proper signage can be displayed with current plant conditions. {6}
- ☐ 3.19 Establish a Recovery Organization (refer to RP/0/A/1000/027, Re-Entry Recovery Procedure) once the emergency has been terminated.
- 3.19.1 Direct the OSC Manager to review RP/0/A/1000/027, Re-Entry Recovery Procedure to begin preparation for recovery.
- 3.19.2 Implement RP/0/A/1000/027, Re-entry Recovery Procedure.
- 3.19.3 Announce the following in TSC/OSC:
"Covered workers need to ensure that all hours worked during an augmentation drill or declared emergency are entered into EmpCenter prior to leaving site. Supervisors should consider the need to initiate a waiver in EmpCenter per NSD-200, Section 200.8." {28}
- ☐ 3.20 Emergency Planning Section shall be responsible for completing all Procedure Process Records of Emergency Plan Implementing procedures initiated by the TSC.

- ☐ 3.21 Ensure TSC is returned to ready condition for next drill or actual event.
 - ☐ 3.21.1 Ensure **OR** have the Assistant Emergency Coordinator/Emergency Planner ensure TSC PA override switch is put in the **OFF** position. {8}{10}
 - ☐ 3.21.2 Direct completion of inventory PT/0/A/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP. |

4. Enclosures

- 4.1 Operations Shift Manager to TSC Emergency Coordinator Turnover Sheet
- 4.2 Emergency Preparedness Acronyms
- 4.3 TSC Personnel Log
- 4.4 NRC Site Team Response Form
- 4.5 Emergency Classification Termination Criteria
- 4.6 Alternate TSC and/or OSC Activation
- 4.7 Keowee Hydro Project Dams/Dikes - Condition A/B Descriptions {9}
- 4.8 Assistant Emergency Coordinator/Emergency Planner Delegated Procedure Steps {10}
- 4.9 Emergency Coordinator Turnover Checklist
- 4.10 Guidelines for Managing a Security Event {17}
- 4.11 References

OSM Emergency Coordinator Log/Turnover Sheet

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

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

* If yes, implementation of emergency worker exposure limits must be announced over Public Address System. {3}

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

THEN Provide the following information to the TSC Emergency Coordinator:

- Status of Offsite Agency Notifications _____
- Recommendations made to offsite agencies _____
- Status of relocation of site personnel _____

Status for answering 4911 emergency phone calls: Remains in Control Room _____ Responsibility of Op's in OSC _____

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

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

Emergency Coordinator/TSC _____ OSM _____

Time of Turnover _____

Enclosure 4.2
Emergency Preparedness Acronyms

RP/0/A/1000/019
Page 1 of 1

1. Emergency Preparedness Acronyms

CDEM	County Director of Emergency Management
EC	Emergency Coordinator
EOF	Emergency Operations Facility
EOFD	Emergency Operation Facility Director
ETS	Emergency Telephone System
ICP	Incident Command Post
LEC	Law Enforcement Center
NRC	Nuclear Regulatory Commission
EOC	Emergency Operations Center
OSC	Operational Support Center
PAR	Protective Action Recommendation
SCC	State/County Communicator
SDEM	State Director of Emergency Management
SEOC	State Emergency Operations Center
SWP	State Warning Point
TSC	Technical Support Center

Enclosure 4.3
TSC Personnel Log

RP/07A/1000/019
 Page 1 of 2

DATE: _____

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT TSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
Emergency Coordinator**							
Offsite Communicator**							
Dose Assessment Liaison*							
Nuclear Engineering**							
Tech Assist to EC (Mech Engineer)**							
Asst. Emergency Coordinator							
Operations Superintendent							
TSC/OSC Liaison							

** 75 Minute Responder

Enclosure 4.3
TSC Personnel Log

RP/00001000/019
 Page 2 of 2

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT TSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
TSC/OSC Liaison Support							
Engineering Manager							
NRC Communicator (ENS)							
Dose Assessors							
Engineering Mgr. Assistant							
Operations Superintendent Assistant							
Operations Interface Manager							
Emergency Planning							
Local I/T							
Process Systems							

Enclosure 4.4
NRC Site Team Response Form

RP/0/A/1000/019
Page 1 of 1

1. NRC Site Team Response Form

1.1 NRC Site Coordinator _____
(name)

1.2 NRC Site Team Personnel Information:

NAME	SOCIAL SECURITY NUMBER
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

1.3 Estimated Time of Arrival (ETA): _____

1.4 Mode of Transportation: _____

Check Point: Hwy 130 - Main Station/WOE Entrance (Check Point 2)
(Circle One)
Hwy 183 - Intake Owner Controlled Area (OCA) Gate (Check Point 3)
Hwy 183 - Complex/Branch OCA Gate (Check Point 1)

1.5 Fax this form to OSC and Security using Speed Dial 031 or One-Touch Dial Code 31.

1.6 GET and BBA Requirements Waived:

RP Manager _____ Date _____

Enclosure 4.5
Emergency Classification Termination
Criteria

RP/0/A/1000/019

Page 1 of 1

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

THEN An emergency condition may be considered resolved when:

- ☐ 1.1 Existing conditions no longer meet the existing emergency classification criteria and it appears unlikely that conditions will deteriorate further.
- ☐ 1.2 Radiation levels in affected in-plant areas are stable or decreasing to below acceptable levels.
- ☐ 1.3 Releases of radioactive material to the environment greater than Technical Specifications are under control or have ceased.
- ☐ 1.4 The potential for an uncontrolled release of radioactive material is at an acceptably low level.
- ☐ 1.5 Containment pressure is within Technical Specification requirements.
- ☐ 1.6 Long-term core cooling is available.
- ☐ 1.7 The shutdown margin for the core has been verified.
- ☐ 1.8 A fire, flood, earthquake, or similar emergency condition is controlled or has ceased.
- ☐ 1.9 Offsite power is available per Technical Specification requirements.
- ☐ 1.10 All emergency action level notifications have been completed.
- ☐ 1.11 The Area Hydro Manager has been notified of termination of Condition "B" for Keowee Hydro Project.
- ☐ 1.12 The Regulatory Compliance Section has evaluated plant status with respect to Technical Specifications and recommends Emergency Classification termination.
- ☐ 1.13 Emergency terminated. Request the TSC Offsite Communicator to complete an Emergency Notification Form for a Termination Message using guidance in RP/0/A/1000/015B (Offsite Communications From The Technical Support Center), and provide information to offsite agencies.

Date/Time of Termination: _____ / _____ Emergency Coordinator Initials: _____

- Return to Step 2.10.1.G.1

1. Activation of the Alternate TSC prior to completion of turnover with the OSM

- ☐ 1.1 Request OSC Manager/SPOC Supervisor to initiate steps to setup the Alternate TSC located in RP/0/A/1000/025 (OSC Manager Procedure).
- ☐ 1.2 Request TSC Technical Assistant to Emergency Coordinator (or designee) to announce over the plant PA that the Alternate TSC is being activated.
- ☐ 1.3 Relocate TSC personnel except for the following to the Alternate TSC, Room 316 of the Oconee Office Building:
 - ☐ 1.3.1 TSC Offsite Communicator (1)
 - ☐ 1.3.2 TSC Technical Assistant to Emergency Coordinator
 - ☐ 1.3.3 Emergency Planning (if available)
- ☐ 1.4 Return to Step 2.2 of this procedure and complete turnover with the OSM.
 - ☐ 1.4.1 Report to the Alternate TSC with remaining support personnel after completion of turnover.

2. Activation of the Alternate TSC and/or OSC

- ☐ 2.1 Direct the TSC/OSC Liaison to inform the OSC Manager of the need to relocate the following emergency response facilities:
- _____ TSC
- _____ OSC
- _____ TSC and OSC
- ☐ 2.2 Provide guidance on best available route to personnel being relocated to the Alternate TSC and/or the OSC.
- 2.2.1 **IF** A radiological release is in progress
- THEN** Direct the TSC/OSC Liaison to request RP to determine the best available route to the Alternate TSC and/or the OSC.
- ☐ 2.3 Direct the following TSC personnel to report to the Alternate TSC to assist with setup of the facility and establish communications with the TSC: (OSC steps are listed in RP/0/A/1000/025, OSC Manager Procedure)
- _____ (1) TSC Offsite Communicator
- _____ (1) Dose Assessor
- _____ Ops Superintendent Assistant
- _____ TSC/OSC Liaison Technical Assistant
- ☐ 2.4 Direct the TSC NRC Communicator to inform the NRC that the Alternate TSC is being activated.
- ☐ 2.5 Direct the remaining TSC personnel to report to the Alternate TSC.
- ☐ 2.6 Inform the EOF Director that the Alternate TSC is being activated and that TSC personnel including the Emergency Coordinator are enroute to that facility.
- ☐ 2.7 Return to Step 3.6.2 of this procedure after reporting to the Alternate TSC.

Enclosure 4.7
Keowee Hydro Project Dams/Dikes -
Condition A/B Descriptions

RP/0/A/1000/019
Page 1 of 1

- NOTE:**
- Duke Energy Company 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 Company 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/dike has occurred or is about to occur.

2. Condition "B" - Potentially Hazardous Situation is developing

A situation where failure may develop, but preplanned actions taken during certain events (e.g., major flood, earthquakes, evidence of piping) may prevent or mitigate failure.

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

- Reservoir elevation at Keowee Hydro Station is 805 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.

**Assistant Emergency Coordinator/Emergency
Planner Delegated Procedure Steps**

- 1. Perform the following procedure steps at the direction of the TSC Emergency Coordinator:**

Assistant Emergency Coordinator

- ☐ 2.1
- ☐ 2.1.4
- ☐ 2.1.5
- ☐ 2.1.6
- ☐ 2.4
- ☐ 2.6
- ☐ 2.7
- ☐ 2.8
- ☐ 2.10.1.C
- ☐ 2.10.1.D
- ☐ 2.10.2.E
- ☐ 2.10.2.F
- ☐ 2.10.3.F
- ☐ 2.10.3.G
- ☐ 2.10.3.H
- ☐ 2.10.4.H
- ☐ 2.10.4.I
- ☐ 3.1
- ☐ 3.11
- ☐ 3.21.1

Emergency Planner

- ☐ 2.1
- ☐ 2.1.4
- ☐ 2.1.5
- ☐ 2.1.6
- ☐ 2.4
- ☐ 2.6
- ☐ 2.7
- ☐ 2.8
- ☐ 3.11
- ☐ 3.21.1

Enclosure 4.9

RP/0/A/1000/019

Emergency Coordinator Turnover Checklist

Page 1 of 2

() CATAWBA

() MCGUIRE

() OCONEE

UNIT(S) AFFECTED:

() Unit 1

() Unit 2

() Unit 3

{8}

GENERAL	Pressure	Power Level	Reactor Coolant Temperature	Reactor Coolant	
	DATE: _____	U-1 _____	_____	_____	
	TIME: _____	U-2 _____	_____	_____	
		U-3 _____	_____	_____	
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		NUMBER ASSEM.		NUMBER DEPLOYED	
	FIELD MON. TEAMS	_____		_____	
			ZONES EVACUATED		ZONES SHELTERED
	OFFSITE PARS	_____		_____	
	RELEASE IN PROGRESS	YES ()	NO ()		KI (General Public) 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					

Emergency Coordinator Turnover Checklist

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)

NOTE: This enclosure is to be used as guidance for responding to a Security event and should be considered only an aid in managing the incident. Not all actions are applicable to all Security events nor should only these actions be considered. Only actions that are applicable and feasible should be implemented (Reference RP/0/A/1000/037, Incident Command Post).

- ☐ 1. Establish communications with Security. Consider having a member of Security relocate to the TSC.
- ☐ 2. Evaluate the need to lock Control Room doors and or perimeter doors to buildings inside the protected area to control access and egress.
- ☐ 3. Evaluate the need to implement the two-person rule (line-of-sight).
- ☐ 4. Prioritize critical plant equipment which must be protected and be prepared to provide this information to Security.
- ☐ 5. Evaluate the need to man the SSF based on Security recommendations.
 - Consider need for emergency start of SSF diesel.
- ☐ 6. Review AP/0/A/1700/045, Site Security Threat, procedure.
- ☐ 7. Consideration should be given to tripping the unit(s) if it is determined that there is an imminent/impending and credible threat to the site which may include:
 - Imminent loss of Control Room due to adversarial actions
 - Notification by NRC/NORAD of imminent aircraft threat
 - Entry into the Auxiliary or Containment Buildings by adversaries
- ☐ 8. Consider staging of offsite fire department and/or EMS.

References

1. PIP O-98-04996
2. PIP O-99-00743
3. PIP O-01-01395
4. PIP O-01-03460
5. PIP O-01-03696
6. PIP O-02-00264
7. PIP O-02-03705
8. PIP O-02-07089
9. PIP-O-03-02447
10. PIP-O-03-04975
11. PIP-O-04-04755
12. PIP-O-05-01642
13. PIP-O-05-02980
14. PIP-O-05-03349
15. PIP O-05-06827
16. PIP O-06-0884
17. PIP O-06-05641
18. PIP O-05-04697
19. PIP G-07-0127
20. PIP O-07-01590
21. PIP O-07-05157
22. PIP O-07-06549
23. PIP O-07-06992
24. PIP C-06-08633

References

25. PIP G-11-1389, IER L1-13-10

26. PIP G-12-1530

27. PIP O-12-3002

28. PIP C-12-3794

29. PIP O-07-5228

30. PIP O-09-5976

31. PIP O-13-8641

32. PIP-O-13-15223

Duke Energy
PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/019Revision No. 006**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Technical Support Center Emergency Coordinator Procedure
- (4) Prepared By Natalie Harness *Natalie Harness* Date 7/28/2014
- Prepared By & Mentor* John Kaminski *John Kaminski* Date 7/28/2014
- (5) Requires NSD 228 Applicability Determination?
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☒ No (Minor Editorial Changes)
- (6) Reviewed By* Donald A. Gault *Donald A. Gault* (QR)(KI) Date 8/14/14
- Cross-Disciplinary Review By* _____ (QR)(KI) NAME NA Date 8/14/14
- Reactivity Mgmt Review By* _____ (QR) NAME NA Date 8/14/14
- Mgmt Involvement Review By* _____ (Ops. Supt.) NAME NA Date 8/14/14
- (7) Additional Reviews
- Reviewed By* _____ Date _____
- Reviewed By* _____ Date _____
- (8) Approved By* Patricia A. Stiles *Patricia A. Stiles* Date 8/14/14

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

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

COMPLETION

- (11) Procedure Completion Verification:
- ☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?
- ☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
- ☐ Yes ☐ NA Required enclosures attached?
- ☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?
- ☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?
- ☐ Yes ☐ NA Procedure requirements met?
- Verified By* _____ Date _____
- (12) Procedure Completion Approved _____ Date _____
- (13) Remarks (Attach additional pages, if necessary)

Printed Name and Signature

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

- (1) ID No. RP/0/A/1000/019 Revision No. 006
- (2) Station: OCONEE NUCLEAR STATION
- (3) Procedure Title: Technical Support Center Emergency Coordinator Procedure
- (4) Section(s) of Procedure Affected:

~~Page 2 of 27, Page 3 of 27, Page 5 of 27, Page 7 of 27, Page 8 of 27,
Page 9 of 27, Page 10 of 27, Page 11 of 27, Page 12 of 27, Page 13 of 27, Page 14 of 27,
Page 15 of 27, Page 16 of 27, Page 18 of 27, Page 19 of 27, Page 23 of 27, Page 26 of 27, Enclosure 4.1,
Enclosure 4.2, Enclosure 4.3, Enclosure 4.5, Enclosure 4.7, Enclosure 4.10 & Enclosure 4.11.~~

WHP 8/14/14

* See Attached Change matrix

- (5) Requires NSD 228 Applicability Determination?

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

☒ No (Procedure change with minor changes)

- (6) Description of Change: *(Attach additional pages, if necessary.)*
See attached change matrix

- (7) Reason for Change:

Editorial changes

ONS-2014-001274 & ONS-2014-003794

- (8) Prepared By Natalie Harness *Natalie Harness* Date 7/28/2014

Prepared By & Mentor* John Kaminski *John Kaminski* Date 7/28/2014

- (9) Reviewed By* Donald A. Crowl *Donald A. Crowl* (QR)(KI) Date 8/14/14

Cross-Disciplinary Review By* _____ (QR)(KI) NA NA Date 8/14/14

Reactivity Mgmt. Review By* _____ (QR) NA NA Date 8/14/14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA NA Date 8/14/14

- (10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

- (11) Approved By* Patricia H. Stager *Patricia H. Stager* Date 8/14/14

* Printed Name and Signature

Revision/Change Package Fill-In Form


Rev. 04/23/2012

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

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

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

Note: place cursor in center of brackets before typing.

1. ID No.: RP/0/A/1000/019
2. Revision No.: 006
3. Change No.: **Note:** if this package is for a change, replace hyphen with a letter.
4. Procedure Title: Technical Support Center Emergency Coordinator Procedure
5. For changes only, enter procedure sections affected:
6. Prepared By: Natalie Harness 
7. Preparation Date: 7/28/2014
8. PCR Numbers Included in Revision: ONS-2014-001274 & ONS-2014-003794

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

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

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

Procedure Title: Technical Support Center Emergency Coordinator Procedure

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

See attached change matrix

PCR Numbers Incorporated

ONS-2014-001274 & ONS-2014-003794

Enclosure

§50.54(q) Screening Evaluation Form

Activity Description and References:

BLOCK 1

RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure

ONS-2014-001274 & ONS-2014-003794

Activity Scope:

BLOCK 2

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

Change Type:

BLOCK 3

Change Type:

BLOCK 4

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

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

Planning Standard Impact Determination:

BLOCK 5

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

*Risk Significant Planning Standards

- ☐ The proposed activity does not impact a Planning Standard

Commitment Impact Determination:

BLOCK 6

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

Results:

BLOCK 7

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

Preparer Name:
Natalie Harness/
John Kaminski

Preparer Signature

Natalie Harness
John Kaminski

Date:
7/28/2014

7/30/14

Reviewer Name:
Don Crowl

Reviewer Signature

Don Crowl

Date:
8/14/14

§50.54(q) Effectiveness Evaluation Form

Activity Description and References: RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure

BLOCK 1

ONS-2014-001274 & ONS-2014-003794

Activity Type:**BLOCK 2**

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

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

1. **10CFR50.47.(b)1**, Primary responsibilities for emergency response by the nuclear facility licensee and by State and local organizations within the Emergency Planning Zones have been assigned, the emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has staff to respond and to augment its initial response on a continuous basis.
2. **10CFR50.47.(b)2** On-shift facility licensee responsibilities for emergency response are unambiguously defined, adequate staffing to provide initial facility accident response in key functional areas is maintained at all times, timely augmentation of response capabilities is available and the interfaces among various onsite response activities and offsite support and response activities are specified.
3. **ONS E Plan Section A.1b**, After the station manager assumes the role as Emergency Coordinator in the Technical Support Center, the Operations Shift Manager is then able to devote his full attention to the Control Room. The Technical Support Center will provide contact to offsite agencies until relieved by the Emergency Operations Facility. Technical support and accident mitigation strategy will be provided to the control room by the Technical Support Center. Once the EOF Director assumes control of the Emergency Operations Facility, the Technical Support Center will be relieved of the responsibility of contact with offsite agencies. The EOF Director is responsible for providing technical information to the local and state governmental agencies that will be utilized to determine actions required to protect the health and safety of the public. During a security event involving an intrusion/attempted intrusion into the site by a hostile force after normal working hours, activation of the Technical Support Center will be delayed for personnel safety. In this situation the Emergency Operations Facility may be activated and relieve the Operations Shift Manager of his Emergency Coordinator responsibilities. This transfer of Emergency Coordinator responsibilities directly to the Emergency Operations Facility will allow the Operations Shift Manager to devote his full attention to the control room.
4. **ONS E Plan Section B**, Adequate staffing to provide for initial emergency response in key functional areas is maintained at all times, timely augmentation of response capabilities is available, and the interfaces among various onsite response activities and offsite support and response activities are specified.

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

The proposed changes ensure continued compliance with the requirements as detailed in 10CFR50.47b.1 and b.2, AND continued compliance with the ONS E plan as currently written. The proposed changes also provide additional detail with respect to implementation of turnover to the EOF and then turnover of plant status to the TSC, support for the ICP and continues to assure staffing of positions within the facilities under the direction of the Emergency Coordinator.

Conclusion:

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

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

The two functions identified in REG Guide 1.219 for 10CFR50.47b.1 include:

- (1) Responsibility for emergency response is assigned.
- (2) The response organization has the staff to respond and to augment staff on a continuing basis (i.e., 24/7 support) in accordance with the emergency plan.

and

the two functions have been identified in REG Guide 1.219 for 10CFR50.47b.2 include:

- (1) The process ensures that on-shift emergency response responsibilities are staffed and assigned.
- (2) The process for timely augmentation of on-shift staff is established and maintained.

The vast majority of the proposed changes (1,3,5,6,8-55) provide for editorial updates for grammar, consistency of phone numbers and titles, as well as updates to procedure numbers and correcting syntax errors such as missing period and commas.

Proposed change (#2) provides for additional detail as to use of additional trained ERO personnel to fill vacant ERO positions for which while they may not be specifically trained provided they have the knowledge and experience to perform the function as determined by the EC.

Proposed change (#4) provides for additional implementation details with respect to implementing turnover during the various possible situations, turnover directly from the control room to the EOF with follow-up turnover of plant status to the TSC, or directly from the control room to the TSC EC.

Proposed change (#7) provides for additional details for implementing sending liaisons to the Incident command post during a hostile action.

Thus as noted above the proposed changes included many editorial changes with additional details for implementing aspects of the requirements of the emergency plan. The addition of these details do not eliminate any of the functions indicated, do not reduce the functions as indicated, do not change the timing or timeliness of the functions indicated.

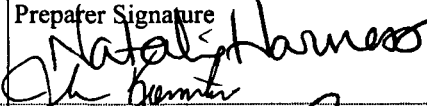
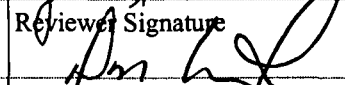
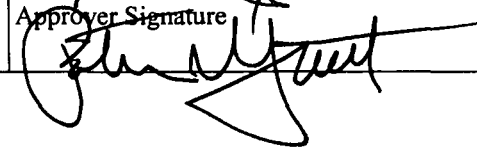
The proposed changes serve to enhance the functions by ensuring timely turnover of appropriate information to the appropriate individual, assure functions are being performed by competent personnel until the qualified personnel arrive, and assure positions committed to support in the ICP are provided. Therefore there has been no reduction in the effectiveness of the plan as a result of the proposed change.

Conclusion:

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

Effectiveness Evaluation Results**BLOCK 6**

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

Preparer Name: Natalie Harness John Kaminski	Preparer Signature 	Date: 8/13/14 8/12/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/14/14
Approver Name: Pat Street	Approver Signature 	Date: 8/14/14

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
1.	Page 2 of 27 NOTE 1	For an outside line dial "9", for long distance dial "1".	For an outside line dial "9" and for long distance dial "1".	editorial: remove the comma and replace with "and"
2.	Page 2 of 27 NOTE 2	... Vacant ERO positions may be filled with other plant staff members present in the facility and who are qualified for the position(s). Individual(s) assigned to fill vacancy should have the training, experience and skills required by the ERO training program for that position.	... Vacant ERO positions may be filled with other plant staff members currently present in the facility AND who are specifically designated to fill the vacant position by the Emergency Coordinator. Individual(s) designated to fill a vacancy should be selected based upon training , experience and skills required to complete that ERO function. NOTE: This is ONLY a substitute designation for the unmanned ERO position and does NOT satisfy the requirement for the trained/qualified ERO position.	editorial: make and uppercase and add an "a" to fill... Clarified expectations and intent -
3.	Page 3 of 27	Tech Assistant to EC	Tech Assistant to the EC	editorial: add "the" before EC
4.	Page 4 of 27	2.2 Receive turnover from ...	2.2 IF: Turnover ... THEN: Acknowledge... REQUEST: Plant status update..	Clarified expectations for turnover during various scenarios
5.	Page 5 of 27	2.6 Activate OR have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System	2.6 Activate OR have the Assistant Emergency Coordinator/Emergency Planner activate the TSC/OSC Public Address (PA) System.	editorial: add a period to the end of the sentence
6.	Page 7 of 27	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around the area code

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
7.	Page 7 of 27 2.9 bullet 4	During a security event arrange for a qualified Emergency Coordinator to go to the near site command post to act as a liaison between the command post and the TSC.	During a security event arrange for a qualified Emergency Coordinator to go to the near site Incident Command Post (ICP) to act as a liaison between the Incident Command Post and the TSC. (reference RP/0/A/1000/037)	Clarified added ICP title and reference
8.	Page 8 of 27	2.10 Review emergency classification and verify that it meets the criteria of RP/0/B/1000/001 (Emergency Classification).	2.10 Review emergency classification and verify that it meets the criteria of RP/0/A/1000/001 (Emergency Classification).	editorial: safety classification change from B to A procedure
9.	Page 9 of 27	Make the notification for the lesser emergency classification within 15 minutes	Make the notification for the lesser emergency classification within 15 minutes.	editorial: add a period at the end of the sentence
10.	Page 9 of 27 Note 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
11.	Page 10 of 27 E	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
12.	Page 10 of 27 F	Discuss OR have the Assistant Emergency Coordinator discuss classification with SDEM and CDEM	Discuss OR have the Assistant Emergency Coordinator discuss classification with SDEM and CDEM.	editorial: add a period at the end of the sentence

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
13.	Page 10 of 27 F	SDEM 803 737-8500 Oconee CDEM 864 638-4200 Pickens CDEM 864 898-5943	State Director Emergency Management (SDEM) (803) 737-8500 Oconee County Director Emergency Management (CDEM) (864) 638-4200 Pickens County Director Emergency Management (CDEM) (864) 898-5943	editorial: add parenthesis around area codes and spell out acronyms
14.	Page 10 of 27 Note 2	The Emergency Planning Section shall develop...	Emergency Preparedness shall develop...	editorial: remove The and change Planning to Preparedness
15.	Page 10 of 27 bullet 1	Notify Emergency Planning that the Unusual Event has been terminated.	Notify Emergency Preparedness that the Unusual Event has been terminated.	editorial: change Planning to Preparedness
16.	Page 10 of 27 bullet 2	Emergency Planning shall hold a critique following termination of the Unusual Event.	Emergency Preparedness shall hold a critique following termination of the Unusual Event.	editorial: change Planning to Preparedness
17.	Page 11 of 27 A	THEN Perform the following actions	THEN Perform the following actions:	editorial: add :
18.	Page 11 of 27 A F (NY)	Start ERDS -TSC NRC Communicator, - RP/0/B/1000/003A (ERDS Operation)	Start ERDS -TSC NRC Communicator, - RP/0/A/1000/003A (ERDS Operation)	editorial: safety classification change from B to A procedure
19.	Page 12 of 27 Note	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
20.	Page 12 of 27 G	SDEM 803 737-8500 Oconee CDEM 864 638-4200 Pickens CDEM 864 898-5943	SDEM (803) 737-8500 Oconee CDEM (864) 638-4200 Pickens CDEM (864) 898-5943	editorial: add parenthesis around area codes

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
21.	Page 12 of 27 H	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
22.	Page 13 of 27 C	IF Condition A, Dam Failure (Keowee or Jocassee) exists	IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A
23.	Page 14 of 27 G	Start ERDS (TSC NRC Communicator - RP/0/B/1000/003A (ERDS Operation).	Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS Operation).	editorial: safety classification change from B to A procedure
24.	Page 14 of 27 H	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around area codes
25.	Page 14 of 27 I	Condition A, Dam Failure	Condition "A", Dam Failure	editorial: place A in quotes
26.	Page 15 of 27 Note Bullets 1 and 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
27.	Page 15 of 27 J	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
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Change #	Page #	Current	Proposed	Reason
28.	Page 15 of 27 K	IF The site has sustained major damage THEN Direct implementation of RP/0/B/1000/022, Procedure For Major Site Damage Assessment And Repair.	IF The site has sustained major damage THEN Direct implementation of RP/0/A/1000/022, Procedure For Major Site Damage Assessment And Repair.	editorial DocuTracks ONS-2014-001274: reference Major Site Damage Procedure & change classification to an A
29.	Page 16 of 27 B	IF Condition A, Dam Failure (Keowee or Jocassee) exists	IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A
30.	Page 16 of 27 G	Start ERDS (TSC NRC Communicator - RP/0/B/1000/003A (ERDS Operation).	Start ERDS (TSC NRC Communicator - RP/0/A/1000/003A (ERDS Operation).	editorial: safety classification change from B to A procedure
31.	Page 17 of 27 H	803 737-8500 864 638-4200 864 898-5943	(803) 737-8500 (864) 638-4200 (864) 898-5943	editorial: add parenthesis around area codes
32.	Page 17 of 27 Note Bullets 1 and 2	<ul style="list-style-type: none"> Condition B for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition A and B 	<ul style="list-style-type: none"> Condition "B" for Keowee Hydro Project Dams/Dikes..... Enclosure 4.7 provides a description of Condition "A" and "B" 	editorial: place quotes around conditions A and B
33.	Page 17 of 27 J 	IF Condition B at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	IF Condition "B" at Keowee exists THEN Notify OR have the Assistant Emergency Coordinator notify Hydro Central (refer to Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification).	editorial: place quotes around B & remove "Section 6 of"
34.	Page 18 of 27 2.11.2	Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: 704-382-1825.	Request TSC Offsite Communicator to fax Enclosure 4.9 to the following number: (704) 382-1825.	editorial: add parenthesis around area code and remove -
35.	Page 19 of 27	3.2 IF Condition A, Dam Failure (Keowee or Jocassee) exists	3.2 IF Condition "A", Dam Failure (Keowee or Jocassee) exists	editorial: place quotes around A

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
36.	Page 19 of 27	3.2.3 Notify Hydro Central and provide information related to the event. Refer to Section 6 of the Emergency Telephone Directory.	3.2.3 Notify Hydro Central and provide information related to the event. Refer to Section 6 of the Emergency Telephone Directory.	editorial: remove "Section 6 of"
37.	Page 19 of 27	3.2.4 THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory (page 8).	3.2.4 THEN Notify Telecommunications group in Charlotte to begin rerouting the Oconee Fiber Optic Network. Refer to Selective Signaling section of the Emergency Telephone Directory (page 8).	editorial: remove "(page 8)"
38.	Page 23 of 27	3.7.3 Notify OSC Manager and request RP Manager and Security to implement actions required to process NRC Site Team.	3.7.3 Notify OSC Manager and request RP Manager and Security to implement actions required to process NRC Site Team.	editorial: Docutracks #0000379: Space between Security and to:
39.	Page 23 of 27	3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system. (Timer is available in the Emergency Procedures Cart.)	3.10 Update TSC and OSC personnel approximately every 30 minutes on the Emergency Classification and plant status via the TSC/OSC public address system.	editorial: remove "(<u>Timer is available in the Emergency Procedures Cart.</u>)"
40.	Page 25 of 27	3.19 Establish a Recovery Organization (Section M of the ONS Emergency Plan, Volume A, located in the Operations Shift Manager's office) once the emergency has been terminated.	3.19 Establish a Recovery Organization (refer to RP/0/A/1000/027, Re-entry Recovery Procedure) once the emergency has been terminated.	editorial: reference procedure and remove location
41.	Page 25 of 27	3.19.1 Request the OSC Manager to review Section M of the Emergency Plan (Volume 17A is located in Unit 3 Library located next to U3 Control Room) to begin preparation for recovery.	3.19.1 Direct the OSC Manager to review RP/0/A/1000/027, Re-entry and Recovery Procedure to begin preparation for recovery.	editorial: reference procedure and remove location
42.	Page 25 of 27	3.19.2 Implement RP/0/B/1000/027, Re-entry Recovery Procedure	3.19.2 Implement RP/0/A/1000/027, Re-entry Recovery Procedure	editorial: safety classification change from B to A procedure

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
43.	Page 26 of 27	3.21.2 Direct completion of inventory PT/0/B/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP.	3.21.2 Direct completion of inventory PT/0/A/2000/008, Procedure to Verify the Availability of Supplies and Equipment in the Emergency Response Facilities, and provide to EP.	editorial: safety classification change from B to A procedure
44.	Enclosure 4.1 Page 1 of 1	ERO Procedures (table): RP/0/B/1000/002 RP/0/B/1000/016 RP/0/B/1000/017 RP/0/B/1000/022 RP/0/B/1000/029	ERO Procedures (table): RP/0/A/1000/002 RP/0/A/1000/016 RP/0/A/1000/017 RP/0/A/1000/022 RP/0/A/1000/029	editorial: safety classification change from B to A procedure
45.	Enclosure 4.2 Page 1 of 1	na	ICP Incident Command Post	editorial: add acronym
46.	Enclosure 4.3 Page 2 of 2	Community Relations (WOE)	delete	editorial: not a required position in the TSC, delete
47.	Enclosure 4.5 Page 1 of 1	1.11 The Area Hydro Manager has been notified of termination of Condition B for Keowee Hydro Project.	1.11 The Area Hydro Manager has been notified of termination of Condition "B" for Keowee Hydro Project.	editorial: place quotes around B
48.	Enclosure 4.7 Page 1 of 1 Note Bullet 1	Duke Energy Company Hydro Group personnel are responsible for evaluation/inspection of Keowee Hydro Project Dams/Dikes <u>AND</u> determining if a Condition A or B exists.	Duke Energy Company Hydro Group personnel are responsible for evaluation/inspection of Keowee Hydro Project Dams/Dikes <u>AND</u> determining if a Condition "A" or "B" exists.	editorial: place quotes around A & B
49.	Enclosure 4.7 Page 1 of 1	1. Condition A - Failure is Imminent or has occurred	1. Condition "A" - Failure is Imminent or has occurred	editorial: place quotes around A
50.	Enclosure 4.7 Page 1 of 1	2. Condition B - Potentially Hazardous Situation is developing.... The following situations will result in a Condition B determination/declaration:	2. Condition "B" - Potentially Hazardous Situation is developing... The following situations will result in a Condition "B" determination/declaration:	editorial: place quotes around B
51.	Enclosure 4.10 NOTE	end of note section	Reference RP/0/A/1000/037, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines	editorial: add new procedure reference for ICP

**RP/0/A/1000/019, Rev 006, Technical Support Center Emergency Coordinator Procedure
(DocuTrack ONS-2014-001274 & ONS-2014-003794)**

Change #	Page #	Current	Proposed	Reason
52.	Enclosure 4.11	25. PIP G-11-1389	25. PIP G-11-1389, IER LI-13-10	editorial for commitment tracking
53.	Page 18 of 27 Step 2.13.1	EOF Activated _____ Time _____	Time EOF Activated _____	editorial formatting
54.	Enclosure 4.10	Step 6 Review AP/1,2,3/A/1700/040, Aircraft Threat Procedures.	Review AP/0/A/1700/045, Site Security Threats	editorial AP/1,2,3/A/1700/040, superseded by AP/0/A/1700/045
55.	page 17 of 27	Step 2.10.4 Discuss change in classification	Discuss or have the Asst Emergency Coordinator discuss...	Editorial changed for consistency with other procedure sections

**Duke Energy
Oconee Nuclear Station
Incident Command Post (ICP) Operations and Radiation
Protection Liaison Guidelines**

Procedure No.

RP/0/A/1000/037

Revision No.

002

Electronic Reference No.

OP009AD6

Multiple Use

PERFORMANCE

PDF Format

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

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Compared with Control Copy* _____ Date _____

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

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

Verified By*

Date

Procedure Completion Approved*

Date

**Printed Name and Signature*

Remarks (attach additional pages, if necessary)

IMPORTANT: Do NOT mark on barcodes.

Printed Date: *08/14/2014*

Enclosure No.: *FULL*



Revision No.: *002*



Procedure No.: *RP/0/A/1000/037*



Information Use

Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

1. Purpose

To provide guidance for Incident Command Post Liaisons during a hostile action based event on site. Liaisons will serve as interfaces between Duke Energy Emergency Response Organization (ERO) Facilities and the ICP to advise on matters related to plant operations and radiation protection-related conditions.

2. References

- 2.1 NEI 06-04, Revision 2, Conducting a Hostile Action-Based Emergency Response Drill
- 2.2 NUREG-0654/FEMA-REP-1, Revision 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 2.3 Homeland Security Presidential Directive (HSPD-5), Management of Domestic Incidents
- 2.4 National Incident Management Systems (NIMS), Dec 2008

3. Limits and Precautions

None

4. Procedure

- Operations initiate Enclosure 5.1 upon arrival in ICP.
- Radiation Protection initiate Enclosure 5.3 upon arrival in ICP.

5. Enclosures

- 5.1 Operations ICP Liaison Guidelines
- 5.2 Operations ICP Liaison Kit Inventory Sheet
- 5.3 Radiation Protection ICP Liaison Guidelines
- 5.4 Radiation Protection ICP Liaison Kit Inventory Sheet
- 5.5 ICP Log Book Sheet
- 5.6 ICP Dosimetry Issue Log

Reference Use

1. **IF** required by law enforcement, sign in with the reception officer and obtain ICP Badge.
2. Obtain the Operations ICP Liaison Kit from the storage area of the ICP.
3. Contact the ICP Commander and introduce yourself as the Oconee Operations ICP Liaison.
4. Establish an Operations ICP position log of activities sufficient enough to reconstruct your actions in the ICP and conduct a turnover to the on-coming shift in an event or activation of the facilities using copies of Enclosure 5.5.
5. Initiate communications with the Control Room, Emergency Operations Facility (EOF) and Technical Support Center (TSC) Operations personnel on one of the following bridge lines numbers using available headset phone, land line phone, Satellite phone, or Personal cell phone.
 - Oconee Operations Bridge Line number - 864-885-4908
 - Spare Oconee Bridge Line number - 864-873-4905
6. **IF** contact with Control Room **OR** EOF **OR** TSC is necessary without using the bridge lines of Step 5, use the following telephone numbers.
 - Control Room number (portable phone in all units) - 864-882-7076
 - EOF Operations Interface number - 704-382-0775.
 - TSC OPS Superintendent number - 864-873-3715
7. Participate in ICP Briefings providing information such as urgent/critical operational actions/needs, reactor fuel status, plant status and Operation's priorities as it applies to the ICP (considerations such as security, fire, core cooling support, etc). Ensure the following as applicable.
 - Use simplified explanations of technical details tailored for a broad range of disciplines.
 - Avoid use of acronyms and highly technical terminology.
8. **WHEN** released by the Incident Commander at the end of the event, perform the following:
 - 8.1 Inventory contents of Operations ICP Liaison Kit using Enclosure 5.2.
 - 8.2 Document inventory on Enclosure 5.2
 - 8.3 Ensure Operations ICP Liaison Kit is fully stocked.
 - 8.4 Ensure Operations ICP Liaison Kit is tamper sealed (with two tamper seals).
 - 8.5 Ensure Operations ICP Liaison Kit returned to the storage location.

Reference Use

Item	Required Quantity	Required Quantity Met? (Y/N) *	Comments
Wireless Headset Phone	1		
Oconee ERO Phone Directory	1		
Position Vest	2		
ICP Log Book Sheets	20 sheets		
Pens	5		
Notepads	5		
AP/0/A/1700/045 (Site Security Threats)	1		

* = If required quantity not met, ensure Oconee Emergency Planning notified of missing needed items.

Inventory Performed By: _____ / _____
Printed Name / Signature

Date: _____

Reference Use

1. **IF** required by law enforcement, sign in with the reception officer and obtain ICP Badge.
2. Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP (Complex BBA Room).
 - Additional office supplies are available in ICP storage cabinet (Complex Auditorium)
3. Contact the ICP Commander and introduce yourself as the Oconee Radiation Protection (RP) ICP Liaison.
4. Establish a RP ICP position log of activities sufficient to reconstruct your actions in the ICP and to provide for Turnover.

NOTE: EOF RP is in place to support the RP ICP Liaison and to provide plant data and other assistance as needed.

5. Initiate communications with the Emergency Operations Facility (EOF) Radiological Assessment Manager (RAM) and Operational Support Center (OSC) RP Manager (once established) at one of the following numbers (or other applicable number listed in the ONS ERO Phone Directory).
 - Oconee Radiation Protection ICP Bridge Line number - 864-873-4902
 - Spare Oconee Bridge Line number - 864-873-4905
 - EOF Offsite Dose Assessment - 704-382-0746
 - EOF RAM number - 704-382-0763 or wireless number 704-382-8959.
 - OSC RPM number - 864-873-3490

NOTE: Steps 6 and 7 are not applicable to ICPs located beyond 10 miles from the plant unless directed by RP Management.

6. **IF AT ANY TIME** a radiological release is occurring **OR** has occurred **OR** directed by RP management.
 - Perform periodic radiation surveys inside and outside the ICP.
 - Perform periodic contamination surveys inside and outside the ICP.
 - Perform periodic air sampling inside the ICP.

7. **IF AT ANY TIME** radiation levels or radioactivity above background is measured in the ICP, contact the EOF RAM and/or the OSC RPM for guidance on:
 - Potentially relocating the ICP
 - Dosimetry requirements in ICP
 - Notify ICP Commander
8. Communicate clearly, applying the following:
 - Use simplified explanations of technical details tailored for a broad range of disciplines.
 - Avoid use of acronyms and highly technical terminology.
9. Participate in the ICP Briefings and provide information such as:
 - Radiological release occurring or not
 - Elevated/abnormal radiation level conditions
 - Security guards are stationed around the plant and are on RWP 22 with setpoints of 5 mrem and 10 mrem/hr. If necessary, plant dose rate information can be obtained by requesting the Security ICP Liaison to ask Security guards to report ED readings.
 - Strategies for entering the station and RP priorities
 - Wind Direction and potential impact on ICP
 - Radioactivity in releases (if any) from plant
 - Radioactivity from potential "dirty bomb" detonated on site
 - Potential biohazard or toxic smoke effects from onsite detonation or fire

NOTE:

- Emergency EDs in the ICP kit have setpoints of 500 mrem dose and 1,000 mrem/hr dose rate.
- **AFTER** hostile forces have been neutralized and entry into Protected Area is required, individuals from offsite may be instructed to report to ONS Dosimetry office for dosimetry. 50 Emergency EDs (setpoints of 500 mrem dose and 1,000 mrem/hr dose rate) and TLDs are available in the Dosimetry office for issue.

10. **IF** dose monitoring required, issue an electronic dosimeter (ED) to at least 1 individual for each team using Enclosure 5.6.
 - 10.1 Ensure EDs are activated using Electronic Dosimeter Instruction Sheet as necessary.
 - 10.2 Provide and assist workers with completion of dose cards.

- 10.3 Advise the individuals to contact Oconee Site Dosimetry for processing at the end of the event.
- 10.4 Collect EDs from individuals as they return to ICP unless needed in the ICP.
- 10.5 Collect and verify dosecards as individuals return EDs.
- 11. **WHEN** released by the Incident Commander at the end of the event, perform the following:
 - 11.1 Ensure individuals on Enclosure 5.6 are advised to contact Oconee Site Dosimetry for processing.
 - 11.2 Inventory contents of Radiation Protection's ICP Liaison Kit using Enclosure 5.4.
 - 11.3 Document inventory on Enclosure 5.4
 - 11.4 Ensure Radiation Protection's ICP Liaison Kit is fully stocked.
 - 11.5 Ensure Radiation Protection's ICP Liaison Kit is tamper sealed (with two tamper seals).
 - 11.6 Ensure Radiation Protection's ICP Liaison Kit returned to the storage location.

Enclosure 5.4
Radiation Protection ICP Liaison Kit
Inventory Sheet

RP/0/A/1000/037
Page 1 of 1

Reference Use

Item	Required Quantity	Required Quantity Met? (Y/N) *	Comments
Wireless Headset Phone	1		
EPZ / Field Monitoring Map	1 paper		
Oconee ERO Phone Directory	1		
Position Vest	2		
ICP Log Book Sheets	20 sheets		
Pens	5		
Notepads	5		
Legal pads	2		
Electronic Dosimeters (autonomous mode)	25		
Electronic Dosimeter Instruction Sheet	10 copies		
Dose Cards	100		
Beta-Gamma Survey Meter	1#		
Count Rate Meter	1#		
Air Sampler	1#		
Smears (in envelopes)	100#		
Air Samples (P&C)	20#		
Potassium Iodide (KI)	50 doses/ tablets#		
SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release	1 copy		
RP/0/B/1000/011, Planned Emergency Exposure	1 copy		

* = If required quantity not met, ensure Oconee Emergency Planning notified of missing items.

= Not required if ICP located beyond 10 miles from the plant.

Inventory Performed By: _____ / _____
Printed Name / Signature

Date: _____

Reference Use

Page 1 of 1

Page ____ of ____

Name(s): _____

[illegible]

ICP Dosimetry Issue Log

Reference Use

Date: _____

Drill or Event
(Circle One)

Page ____ of ____

Printed Name	Identifying Number	Organization	Permanent Telephone Number	Dosimeter Number

Refer to Electronic Dosimeter Instruction Sheet as necessary to activated Electronic Dosimeters.

Revision/Change Package Fill-In Form

Rev. 04/23/2012

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

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

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

Note: place cursor in center of brackets before typing.

1. ID No.: RP/0/A/1000/037
2. Revision No.: 002
3. Change No.: **Note:** if this package is for a change, replace hyphen with a letter.
4. Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
5. For changes only, enter procedure sections affected:
6. Prepared By: Mike Stephens
7. Preparation Date: 08/11/2014
8. PCR Numbers Included in Revision:

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

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

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

Duke Energy

PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/037Revision No. 002**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
- (4) Prepared By Mike Stephens *Mike Stephens* Date 08/11/2014
- Prepared By & Mentor* John Kaminski *John Kaminski* Date 08/11/2014
- (5) Requires NSD 228 Applicability Determination?
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☒ No (Minor Editorial Changes)
- (6) Reviewed By* Douglas A. Grant *Douglas A. Grant* (QR)(KI) Date 8/12/14
- Cross-Disciplinary Review By* _____ (QR)(KI) NA *NA* Date 8/12/14
- Reactivity Mgmt Review By* _____ (QR) NA *NA* Date 8/12/14
- Mgmt Involvement Review By* _____ (Ops. Supt.) NA *NA* Date 8/12/14
- (7) Additional Reviews
- Reviewed By* _____ Date _____
- Reviewed By* _____ Date _____
- (8) Approved By* Patrick M. Stiles *Patrick M. Stiles* Date 8/13/14

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

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

COMPLETION

- (11) Procedure Completion Verification:
- ☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?
- ☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
- ☐ Yes ☐ NA Required enclosures attached?
- ☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?
- ☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?
- ☐ Yes ☐ NA Procedure requirements met?
- Verified By* _____ Date _____
- (12) Procedure Completion Approved _____ Date _____
- (13) Remarks (Attach additional pages, if necessary)

Printed Name and Signature

Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

See change matrix below

PCR Numbers Incorporated

None

Enclosure

Attachment to 50.54q

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
1	Enclosure 5.3 page 1 of 3 step 2	2. Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP.	Obtain the Radiation Protection ICP Liaison Kit from the storage area of the ICP (Complex BBA Room). <ul style="list-style-type: none"> Additional office supplies are available in ICP storage cabinet (Complex Auditorium) 	Enhancement: Provide location for more supplies
2	Enclosure 5.3 page 1 of 3 step 3	...yourself as the Oconee Radiation Protection ICP Liaison.	... yourself as the Oconee <u>Radiation Protection</u> (RP) ICP Liaison.	editorial
3	Enclosure 5.3 page 1 of 3 NOTE	NA	NOTE: EOF RP is in place to support the RP ICP Liaison and to provide plant data and other assistance as needed.	Enhancement
4	Enclosure 5.3 page 1 of 3 Step 5	NA	<ul style="list-style-type: none"> EOF Offsite Dose Assessment - 704-382-0746 	Enhancement
5	Enclosure 5.3 page 2 of 3 Step 7	NA	<ul style="list-style-type: none"> Notify ICP Commander 	Enhancement
6	Enclosure 5.3 page 2 of 3 Step 9	NA	Security guards are stationed around the plant and are on RWP 22 with setpoints of 5 mrem and 10 mrem/hr. If necessary, plant dose rate information can be obtained by requesting the Security ICP Liaison to ask Security guards to report ED readings	Enhancement

Attachment to 50.54q

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

Change Matrix

Change #	Page / step	Before	After	reason
7	Enclosure 5.3 page 2 of 3 Step 9	NA	<ul style="list-style-type: none"> • Wind Direction and potential impact on ICP • Radioactivity in releases (if any) from plant • Radioactivity from potential "dirty bomb" detonated on site • Potential biohazard or toxic smoke effects from onsite detonation or fire <p>Added NOTE:</p> <ul style="list-style-type: none"> • Emergency EDs in the ICP kit have setpoints of 500 mrem dose and 1,000 mrem/hr dose rate. • AFTER hostile forces have been neutralized and entry into Protected Area is required, individuals from offsite may be instructed to report to ONS Dosimetry office for dosimetry. 50 Emergency EDs (setpoints of 500 mrem dose and 1,000 mrem/hr dose rate) and TLDs are available in the Dosimetry office for issue. 	Enhancement
8	Enclosure 5.4 page 1 of 1	NA	<p>The following items were added to the inventory sheet:</p> <p>Legal pads 2</p> <p>Electronic Dosimeter Instruction Sheet 10 copies</p> <p>SH/0/B/2005/003, Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release 1 copy</p> <p>RP/0/B/1000/011, Planned Emergency Exposure 1 copy</p>	Enhancement

Duke Energy

PROCEDURE CHANGE PROCESS RECORD

Revision No. 002

- (1) ID No. RP/0/A/1000/037
- (2) Station: OCONEE NUCLEAR STATION
- (3) Procedure Title: Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines
- (4) Section(s) of Procedure Affected:
Enclosure 5.3 (Radiation Protection ICP Liaison Guidelines)
Enclosure 5.4

- (5) Requires NSD 228 Applicability Determination?

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

☒ No (Procedure change with minor changes)

- (6) Description of Change: *(Attach additional pages, if necessary.)*
See attached change matrix

- (7) Reason for Change:

Editorial changes

ONS-2014-001274 & ONS-2014-003794

- (8) Prepared By Mike Stephens Mike Stephens Date 08/11/2014

Prepared By & Mentor* John Kaminski John Kaminski Date 08/11/2014

- (9) Reviewed By* Donna A. Cawley Donna A. Cawley (QR)(KI) Date 8/12/14

Cross-Disciplinary Review By* _____ (QR)(KI) NA Date 8/12/14

Reactivity Mgmt. Review By* _____ (QR) NA Date 8/12/14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA Date 8/12/14

- (10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

- (11) Approved By* Barbara M. Stuss Barbara M. Stuss Date 8/13/14

* Printed Name and Signature

§50.54(q) Screening Evaluation Form

Activity Description and References:

BLOCK 1

RP/0/A/1000/037, Rev 002, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

As proposed by ONS-2014-001274 & ONS-2014-003794

Activity Scope:

BLOCK 2

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

Change Type:

BLOCK 3

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

Change Type:

BLOCK 4

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

Planning Standard Impact Determination:

BLOCK 5

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

*Risk Significant Planning Standards

- ☐ The proposed activity does not impact a Planning Standard

Commitment Impact Determination:

BLOCK 6

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

Results:

BLOCK 7

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

Preparer Name:
Mike Stephens/
John Kaminski

Preparer Signature

Date:
08/11/2014

Reviewer Name:
Don Crowl

Reviewer Signature

Date:
8/12/14

§50.54(q) Effectiveness Evaluation Form

Activity Description and References: RP/0/A/1000/037, Rev 002, Incident Command Post (ICP) Operations and Radiation Protection Liaison Guidelines

BLOCK 1

As proposed by ONS-2014-001274 & ONS-2014-003794

Activity Type:**BLOCK 2**

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

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

1. **10CFR50.47.(b)1**, Primary responsibilities for emergency response by the nuclear facility licensee and by State and local organizations within the Emergency Planning Zones have been assigned, the emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has staff to respond and to augment its initial response on a continuous basis.
2. **10CFR50.47.(b)2** On-shift facility licensee responsibilities for emergency response are unambiguously defined, adequate staffing to provide initial facility accident response in key functional areas is maintained at all times, timely augmentation of response capabilities is available and the interfaces among various onsite response activities and offsite support and response activities are specified.
3. **ONS E Plan Section A.1b**, After the station manager assumes the role as Emergency Coordinator in the Technical Support Center, the Operations Shift Manager is then able to devote his full attention to the Control Room. The Technical Support Center will provide contact to offsite agencies until relieved by the Emergency Operations Facility. Technical support and accident mitigation strategy will be provided to the control room by the Technical Support Center. Once the EOF Director assumes control of the Emergency Operations Facility, the Technical Support Center will be relieved of the responsibility of contact with offsite agencies. The EOF Director is responsible for providing technical information to the local and state governmental agencies that will be utilized to determine actions required to protect the health and safety of the public. During a security event involving an intrusion/attempted intrusion into the site by a hostile force after normal working hours, activation of the Technical Support Center will be delayed for personnel safety. In this situation the Emergency Operations Facility may be activated and relieve the Operations Shift Manager of his Emergency Coordinator responsibilities. This transfer of Emergency Coordinator responsibilities directly to the Emergency Operations Facility will allow the Operations Shift Manager to devote his full attention to the control room.
4. **ONS E Plan Section B**, Adequate staffing to provide for initial emergency response in key functional areas is maintained at all times, timely augmentation of response capabilities is available, and the interfaces among various onsite response activities and offsite support and response activities are specified.

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

The proposed changes ensure continued compliance with the requirements as detailed in 10CFR50.47b.1 and b.2, AND continued compliance with the ONS E plan as currently written. The proposed changes also provide additional detail with respect to implementation and support for the ICP

Conclusion:

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

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

The two functions identified in REG Guide 1.219 for 10CFR50.47b.1 include:

- (1) Responsibility for emergency response is assigned.
- (2) The response organization has the staff to respond and to augment staff on a continuing basis (i.e., 24/7 support) in accordance with the emergency plan.

and

the two functions have been identified in REG Guide 1.219 for 10CFR50.47b.2 include:

- (1) The process ensures that on-shift emergency response responsibilities are staffed and assigned.
- (2) The process for timely augmentation of on-shift staff is established and maintained.

The vast majority of the changes are enhancements driven from table top and practice drills. They do not reduce commitment to support the ICP they serve to enhance the performance of the RP and Ops Liaisons in the ICP by providing procedure changes based upon feedback and suggestions obtained during their own performance.

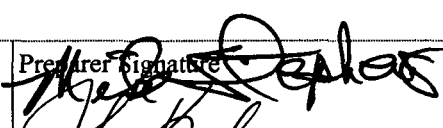
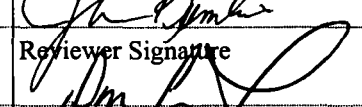
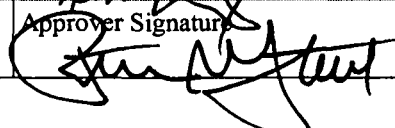
Thus as noted above the proposed changes included editorial changes along with additional enhancement details for implementing aspects of the requirements of the emergency plan. The addition of these enhancement details do not eliminate any of the functions indicated, do not reduce the functions as indicated, do not change the timing or timeliness of the functions indicated. The proposed changes serve to enhance the functions by ensuring timely turnover of appropriate information to the appropriate individual, assure functions are being performed by competent personnel until the qualified personnel arrive, and assure positions committed to support in the ICP are provided. Therefore there has been no reduction in the effectiveness of the plan as a result of the proposed change.

Conclusion:

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

Effectiveness Evaluation Results**BLOCK 6**

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

Preparer Name: Mike Stephens John Kaminski	Preparer Signature 	Date: 8-12-14 8/12/14
Reviewer Name: Don Crowl	Reviewer Signature 	Date: 8/12/14 8/12/14
Approver Name: Pat Street	Approver Signature 	Date: 8/13/14 8/13/14

Incident Command Post (ICP) Operations and Radiation Protection Guidelines

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Incident Command Post (ICP) Operations and Radiation Protection Guidelines

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