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ONS-2014-004

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February 4, 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 Procedures Manual
Volume C, Revision 2014-01

Please find attached for your use and review copies of the revision to the Oconee Nuclear Station Emergency Plan, Implementing Procedures along with the associated revision instructions and 10 CFR 50.54(q) evaluation.

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

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

Sincerely,

Scott L. Batson
Vice President
Oconee Nuclear Station

Attachments:
Revision Instructions
EPIP Volume C - Revision 2014-01
10 CFR 50.54(q) Evaluation(s)

AX45
NRR

U. S. Nuclear Regulatory Commission
February 4, 2014

xc: w/2 copies of attachments

Mr. Victor McCree, Regional Administrator
U.S. Nuclear Regulatory Commission - Region II
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w/copy of attachments

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w/o attachments

Mr. Eddy Crowe
NRC Senior Resident Inspector
Oconee Nuclear Station

ELL
EC27Z

January 28, 2014

OCONEE NUCLEAR STATION

SUBJECT: Emergency Plan Implementing Procedures
Volume C Revision 2014-001

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

REMOVE

Cover Sheet Rev. 2013-15

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Pages 1, 2, & 3

RP/0/B/1000/010 - Rev. 007

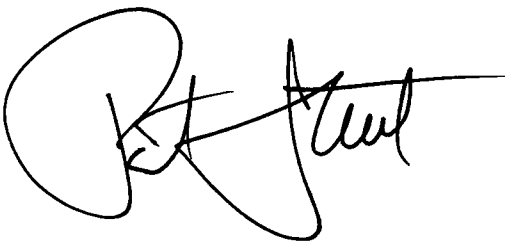
INSERT

Cover Sheet Rev. 2014-1

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RP/0/A/1000/010 - Rev. 001

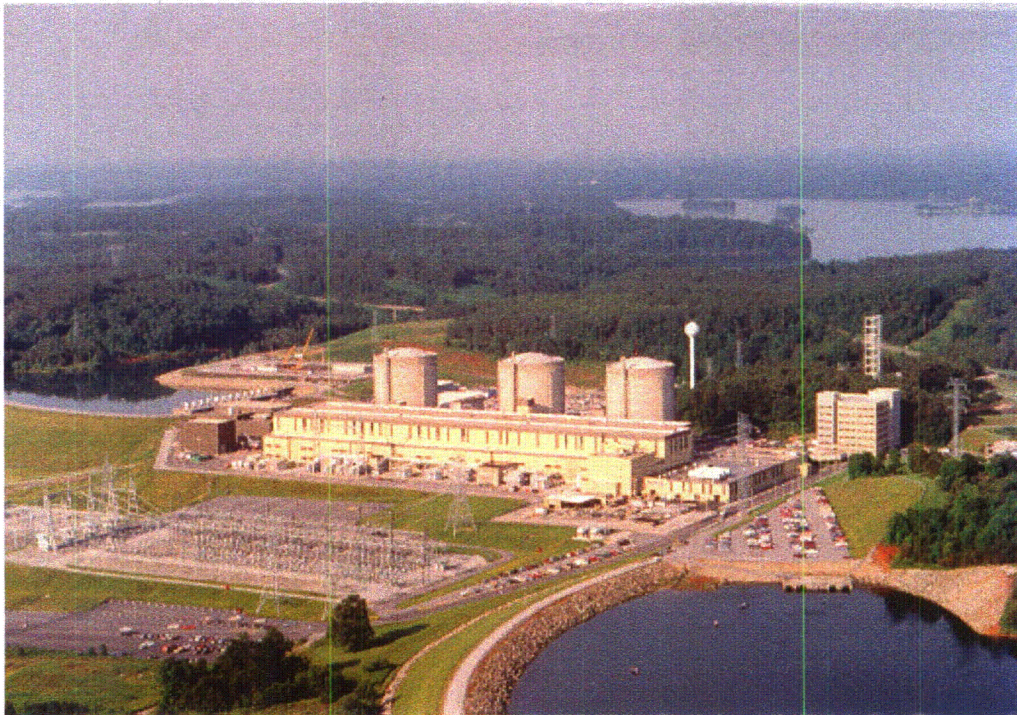
This revision replaced RP/0/B/1000 Rev 007, RP/0/A/1000/010 Revision 000 and
RP/0/B/1000/010 Revision 008. These procedures implemented the change from a "B"
procedures to an "A" procedure and made no other changes to the actual procedure content.

A handwritten signature in black ink, appearing to read 'Pat Street', with a large, stylized initial 'P' and a 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
Organizational Effectiveness Director

1/27/14
Date Approved

**VOLUME C
REVISION 2014-01
January 2014**

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Duke Energy
PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/010Revision No. 001**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Procedure for Emergency Evacuation/Relocation of Site Personnel
- (4) Prepared By* John Kaminski (Signature) [Signature] Date 12/03/13
- (5) Requires NSD 228 Applicability Determination?
☒ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.
☐ No (Revision with minor changes)
- (6) Reviewed By* Dennis A. Grew (QR)(KI) Date 12/12/13
 Cross-Disciplinary Review By* _____ (QR)(KI) NA DAE Date 12/12/13
 Reactivity Mgmt Review By* _____ (QR) NA DAE Date 12/12/13
 Mgmt Involvement Review By* _____ (Ops. Supt.) NA DAE Date 12/12/13
- (7) Additional Reviews
 Reviewed By* _____ Date _____
 Reviewed By* _____ Date _____
 Approved By* [Signature] Date 1/6/14

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)

Duke Energy
Oconee Nuclear Station
**Procedure For Emergency Evacuation/Relocation of Site
Personnel**

Procedure No.

RP/0/A/1000/010

Revision No.

001

Electronic Reference No.

OP009A65

Reference Use

PERFORMANCE

This Procedure was printed on 01/07/14 at 14:43:37 from the electronic library as:

(ISSUED) - PDF Format

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

Compared with Control Copy* _____ Date _____

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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: *01/07/2014*

Enclosure No.: *FULL*



Revision No.: *001*



Procedure No.: *RP/0/A/1000/010*



Procedure For Emergency Evacuation/Relocation of Site Personnel

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

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

The purpose of this procedure is to set guidelines for dealing with an emergency evacuation should it become necessary for non-essential personnel to leave the site. Site Evacuation is typically activated only after personnel have been assembled through a Site Assembly. This procedure also sets guidelines for dealing with relocation of site personnel for situations where an evacuation is not required.

1. Symptoms

This procedure describes the symptoms needed to take actions for relocation/evacuation from the site of general public or Category 1, 2 & 3 personnel. See Enclosure 4.4, Categories of Personnel, for definitions of categories.

1.1 As a result of any of the below, the OSM/Emergency Coordinator may decide to evacuate/relocate General Public and Category 1 personnel.

- Whole body Radiation Dose > 2mrem/hr in any area outside Protected Area Boundary
- Airborne Radioactivity 0.8 DAC (2mrem/hr) in any area outside Protected Area Boundary (10CFR20)
- Flammable gas/toxic chemical release/spill that affects personnel safety
- Site Area Emergency (potential for system failure resulting in radiation exposure or dam failure)
- General Emergency

NOTE: Doses expected to be received to mitigate the recovery process of an accident or emergency must be approved.

1.2 As a result of any of the below, the OSM/Emergency Coordinator may decide to relocate/evacuate Category 2 and 3 personnel.

- Whole body Radiation Dose Level 2.5 mrem/hr, with potential to exceed annual limits
- Airborne Radioactivity equivalent 1 DAC/hr for 40 hrs/week with potential to exceed annual limit
- General Emergency
- Flammable gas/toxic chemical release/spill that affects personnel safety
- Spill or other emergency situation at Hazardous Waste Storage Area that affects personnel safety

2. Immediate Actions

- 2.1 Radiological Emergency - If the site has experienced a radiological emergency requiring evacuation/relocation of site personnel the Emergency Coordinator should refer to Enclosure 4.1, Radiological Emergency Requiring Relocation/Evacuation.
- 2.2 Hazardous Waste Emergency - If the site has experienced a Hazardous Waste Emergency requiring area relocation the Emergency Coordinator should refer to Enclosure 4.2, Hazardous Waste Storage Area Relocation.
- 2.3 Dam Failure – Condition “A” (Actual/Imminent Dam failure) for Keowee Hydro project dams/dikes the Emergency Coordinator should refer to Enclosure 4.3, Actual/Imminent Dam Failure For Keowee Hydro Projects Dams/Dikes.

3. Subsequent Actions

- 3.1 Offsite Agency Communicator shall notify the appropriate county EOC that the site is being evacuated so that law enforcement escort can be provided. If evacuation is to Daniel High School or Keowee Elementary School, officers will be required to properly secure the school area so that processing may be carried out in an orderly manner. Supervisory personnel at applicable post Evacuation/Relocation assembly locations will assist in maintaining order and control.
- 3.2 RP will monitor and decontaminate personnel, in accordance with applicable RP procedures, both onsite and offsite at the decontamination center.
 - 3.2.1 Applicable county personnel will assist in decontamination of vehicles if requested. Offsite Agency Communicator should contact appropriate County EOC for assistance at the decontamination center.
- 3.3 Site personnel relocated to either the Oconee Complex or Oconee Training Center may be utilized as additional support for their emergency response organization. Site Supervisors and Managers should contact Group Evacuation Coordinators as needed to acquire additional resources.
- 3.4 RP will continue to monitor plant conditions. Site personnel relocated to either the Oconee Complex or Oconee Training Center (Relocated Areas) may need to be evacuated to offsite locations should plant conditions continue to degrade.
 - 3.4.1 If evacuation of personnel from Relocation Areas is required, RP will make recommendations to the Emergency Coordinator and initiate Step 1.4, Enclosure 4.1, Radiological Emergency Requiring Relocation/Evacuation.

4. Enclosures

- 4.1 Radiological Emergency Requiring Relocation/Evacuation
- 4.2 Hazardous Waste Storage Area Relocation/Evacuation
- 4.3 Actual/Imminent Dam Failure For Keowee Hydro Project Dams/Dikes
- 4.4 Categories of Personnel
- 4.5 Emergency Evacuation Routes (from site)
- 4.6 Parking Lot/Site Access Designations
- 4.7 Evacuation/Relocation Plan A (ALPHA)
- 4.8 Evacuation/Relocation Plan B (BRAVO)
- 4.9 No Longer Used
- 4.10 Oconee Complex Room Assignments
- 4.11 Oconee Training Center Room Assignments
- 4.12 Example Site Evacuation PA Announcements
- 4.13 Definitions
- 4.14 References

**Radiological Emergency Requiring
Relocation/Evacuation****1. Radiological Emergency Requiring Relocation/Evacuation**

NOTE: Sections 1.1, 1.2, 1.3, and 1.4 can be completed in parallel **BUT** must be done prior to completing Section 1.5.

- 1.1 When it is determined that the emergency situation requires site evacuation or relocation, the Emergency Coordinator shall direct the following to occur:
- 1.1.1 **IF** No radiological release is occurring,
- THEN** Provide for an early release of non-shift and non-ERO personnel to their personal residences.
- 1.1.2 **IF** A radiological release is occurring or about to occur,
- THEN** Determine wind speed and direction and evacuate for monitoring and decontamination as follows:
- If wind speed is ≤ 5 mph, evacuate to either Keowee Elementary or Daniel High School.
 - If wind speed is > 5 mph and from 180° to 360° evacuate to Keowee Elementary School.
 - If wind speed is > 5 mph and from 0° to 180° evacuate to Daniel High School.
- AND** Direct RP to support evacuation decontamination as appropriate.
- 1.1.3 Direct all supervisors/managers to determine the site support staff required to support the emergency organization.
- 1.2 Supervisors/Managers will request their Group Evacuation Coordinators to work with all sections within the group to assure staffing needed to support the emergency has been determined and personnel have been made aware of their work schedule.
- 1.2.1 Supervisors/Managers, with support from their Group Evacuation Coordinators, will determine the personnel to be evacuated or relocated from each category per Enclosure 4.4, Categories of Personnel.
- 1.3 Site Public Affairs Specialist Responsibilities:
- 1.3.1 Site Public Affairs Specialist ensures that Employee Information Bulletins/News Releases provided by Corporate Communications are available for distribution.

Enclosure 4.1
Radiological Emergency Requiring
Relocation/Evacuation

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NOTE: RP should realize that Security will need ample time to coordinate opening Owner Control Gates (OCA) #2 and #3 as described on Enclosure 4.7, Site Evacuation/Relocation Plan A (ALPHA). OSC Security Liaison and/or the Security Shift Supervisor must coordinate this task with SSG to obtain the proper equipment to move barriers.

Movement of the barriers should only be done if the emergency dictates vehicle evacuation and that evacuation can **NOT** be done through Checkpoint #1, otherwise evacuating personnel can walk to the World of Energy and be transported by vehicle from there.

1.4 Radiation Protection (RP) Responsibilities:

- 1.4.1 Enter evacuation/relocation plan information into computer application for distribution to group evacuation coordinators.
- 1.4.2 Dose Assessment determines relocation or site evacuation access routes. This information is provided to the Assistant to RP Manager in the OSC.
- 1.4.3 The RP Manager determines the evacuation/relocation time for each category. This information is provided to the Assistant to RP Manager.
- 1.4.4 The Assistant to RP Manager evaluates plant radiological conditions and along with the information provided by Dose Assessment determines the appropriate Evacuation/Relocation Plan (Enclosure 4.7 or 4.8) to be utilized. This information is provided to the TSC Off-Site Communicator along with the evacuation/relocation time for each category.
 - A. Evacuation/Relocation plan information can be found on DAE for anyone with computer access. Group Evacuation Coordinators will then forward evacuation plan information to groups they are responsible for.
- 1.4.5 If the OSC Security Liaison is unavailable, the RP Manager shall contact the Security Shift Supervisor for support with Steps 1.4.6 thru 1.4.8.
- 1.4.6 The RP Manager directs Security, through the OSC Security Liaison, to patrol the site general areas to assure Evacuation/Relocation instructions are carried out and to direct traffic to correspond with the exit routes.
- 1.4.7 Security Shift Supervisor will notify OSC Security Liaison when evacuation of specific locations or site is complete.
- 1.4.8 The RP Manager requests Security, through the OSC Security Liaison, to provide the OSC with keys to the appropriate offsite relocation center.
 - A. Field Monitoring Team has school keys in equipment bags.
- 1.4.9 The RP Manager requests Bartlett to provide for vehicle decontamination if required.

Enclosure 4.1
Radiological Emergency Requiring
Relocation/Evacuation

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1.5 TSC Offsite Communicator Responsibilities:

NOTE: Any delay in evacuation or relocation should result in a re-evaluation of radiological and meteorological conditions.

- 1.5.1 The TSC Offsite Communicator requests RP in the OSC to implement the procedure for radiological surveillance and decontamination of evacuating personnel.
- 1.5.2 The TSC Offsite Communicator will receive evacuation/relocation plan from OSC and present to Emergency Coordinator or Assistant for approval and signature, time/date. {2}
- 1.5.3 The TSC Offsite Communicator makes the PA Announcement using phone 3706 (PA with speed dial) per Enclosure 4.12, Example Site Evacuation PA Announcements, to notify personnel of which Evacuation/Relocation plan is in effect and the applicable post Evacuation/Relocation assembly location.

NOTE: For relocation of site personnel see the following enclosures for applicability: Enclosure 4.10, Oconee Complex Room Assignments, and 4.11, Oconee Training Center Room Assignments.

- 1.5.4 Notify TSC/OSC Liaison if OSC (Nuclear Supply Chain) support is required for assistance with transportation needs.
- 1.6 Supervisors/Managers Responsibilities:**
- 1.6.1 After the TSC Offsite Communicator has made the PA announcement, contact Group Evacuation Coordinators and verify that Evacuation/Relocation instructions are being distributed.
- 1.7 Group Evacuation Coordinator Responsibilities:**
- 1.7.1 Evacuation/Relocation typically only occurs after Site Assembly. The following information will be needed:
 - Assembly locations(s) of groups you are responsible for.
 - Phone numbers to contact groups you are responsible for.
 - If you are not a Site Assembly Coordinator you will need to contact correct person for this information.

**Radiological Emergency Requiring
Relocation/Evacuation**

- 1.7.2 Verify that all sections within the group are aware which Evacuation/Relocation plan is in effect and that affected personnel have received Evacuation/Relocation instructions.
- 1.7.3 Coordinate transportation efforts for group. Notify the TSC Offsite Communicator at extension 3706 of any transportation problems.
- 1.7.4 Evacuate/relocate personnel as directed by instructions.
- 1.7.5 Report the status of Evacuation/Relocation to phone mail 5094, this status will be retrieved by Emergency Planning person in TSC.
 - A. Provide the Group/Division Managers with the following information if personnel are relocated:
 - 1. Phone number in or near area for future notifications;
 - 2. Number of assigned personnel at relocation area.

Enclosure 4.2
Hazardous Waste Storage Area
Relocation/Evacuation

RP/0/A/1000/010
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1. Hazardous Waste Storage Area Relocation

NOTE: Managers can use Evacuation Coordinators for hazardous waste emergency relocations.

- 1.1 When it is determined that the emergency situation requires relocation of personnel from the Radwaste Facility or L-1 Storage Yard, the Emergency Coordinator/OSM shall:
 - 1.1.1 Contact the Chemistry Manager and request initiation of personnel relocation from the Radwaste Facility to the Chemistry Staff Office for those situations involving the Radwaste Facility.
 - A. Contact the Radwaste Facility Control Room after normal working hours.
 - 1.1.2 Contact the Nuclear Supply Chain Manager and request initiation of personnel relocation from the L-1 Storage Yard to the L-1 Yard Office for those situations involving the L-1 Storage Yard
 - A. Contact the Materials Issue Window or Tool Crib after normal working hours.

NOTE: For drill purposes only, preface and close all announcements with, "This is a drill."

- 1.1.3 The OSM/Emergency Coordinator or his assistant shall ensure the following PA Announcement in addition to the phone calls is made:
 - A. For events occurring in Radwaste facility:

"All personnel in the Radwaste Facility should relocate to the Chemistry Staff Office at this time." (Message should be repeated so that it is made twice.)
 - B. For events occurring at L1 Yard:

"All personnel in the L-1 Storage Yard should relocate to the L-1 Yard office at this time." (Message should be repeated so that it is made twice.)

**Actual/Imminent Dam Failure For Keowee
Hydro Project Dams/Dikes**

1. Actual/Imminent Dam Failure For Keowee Hydro Project Dams/Dikes

NOTE: All telephone numbers can be found in the Emergency Telephone Directory.

- 1.1 Keowee personnel will be relocated to the OSC if events occur where their safety could be affected.
- 1.2 Personnel located at the following locations will relocate to the World of Energy/ Operations Training Center.
 - Oconee Complex
 - Oconee Garage
 - Oconee Maintenance Training Facility
 - Security Firing Range/Track
 - WHSE #5A
 - Old Pickens Church Cemetery
 - Any other facility housing personnel in flood zone area
- 1.3 TSC Emergency Coordinator's responsibilities:
 - 1.3.1 Direct the Offsite Communicator to notify Assistant to RP Manager (OSC) to prepare an Evacuation/Relocation Plan for imminent dam failure.
 - 1.3.2 Direct Security to warn personnel in all areas and structures below the Keowee Hydro Station/Dam of the need to evacuate/relocate.
- 1.4 Offsite Communicator's responsibilities:
 - 1.4.1 Notify Assistant to RP Manager at OSC and request an Evacuation Plan for imminent Dam failure.
 - 1.4.2 Receive Evacuation Plan from RP and present to Emergency Coordinator or Assistant for approval, signature, time/date. {2}
 - 1.4.3 Make PA announcement to site personnel, concerning affected areas and Evacuation/Relocation plan. Refer to Enclosure 4.12, Example Site Evacuation PA Announcements.
 - 1.4.4 Notify TSC/OSC Liaison if OSC (NSC) support is required for assistance with transportation needs.
 - 1.4.5 If requested contact appropriate county EOC for vehicle decontamination support.

Enclosure 4.3
Actual/Imminent Dam Failure For Keowee
Hydro Project Dams/Dikes

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1.5 Radiation Protection (RP) responsibilities:

- 1.5.1 Prepare Enclosure 4.8, Evacuation/Relocation Plan B (BRAVO) to be utilized.
- 1.5.2 Enter Evacuation/Relocation plan information into computer application for distribution to Group Evacuation Coordinators
- 1.5.3 Notify TSC Offsite Communicator once Evacuation/Relocation Plan is available on computers.
- 1.5.4 Direct Security, through OSC Security Liaison, to patrol the site general area to assure Evacuation/Relocation instructions are carried out and to direct traffic to correspond with established exit routes. {1}

1.6 Group Evacuation Coordinators responsibilities:

- 1.6.1 Receive communication by Supervisors/Managers once PA announcements have been made to evacuate affected area.
- 1.6.2 Ensure all sections within their group receive Evacuation/Relocation information and which plan is in effect.
- 1.6.3 Coordinate transportation efforts for group. Notify Offsite Communicator of any transportation problems.
- 1.6.4 Report status of Evacuation/Relocation efforts to phone mail #5094.

NOTE: Security needs to ensure they have ample warning (time) to evacuate personnel from all structures and areas below the Hydro Station and Dam. Security will also need ample time to coordinate efforts to open Owner Control Gates #2 and #3 should evacuation need to be conducted through those exit points, see Enclosure 4.7, Site Evacuation/Relocation Plan A (ALPHA), for these gate locations. Security and OSC Manager will make decision to use these gates for exit or access.

1.7 Security responsibilities:

- 1.7.1 If the OSC Security Liaison is unavailable, the Security Officer should provide this information to the Security Shift Supervisor.
- 1.7.2 Security will be notified to alert personnel at Security track/firing range and Warehouse #5A and to relocate to work areas inside the plant.
- 1.7.3 Patrol site general areas to assure alert relocation instructions are being followed.
- 1.7.4 Direct traffic to correspond with identified exit routes.
- 1.7.5 Provide the OSC Security Liaison with information concerning the status of relocation of personnel.
- 1.7.6 Patrol/secure access to Old Pickens Church/Cemetery for situations concerning dam failure.

1. Categories Of Personnel

GENERAL PUBLIC

Personnel who do not work for Duke Energy or any Vendor Contractors who are not subject to occupational radiation exposure at Oconee Nuclear Site.

CATEGORY 1

Various groups of personnel who are not subject to occupational radiation exposure at Oconee Nuclear Site (ie, have completed **Plant Access Training**).

CATEGORY 2

Various groups of personnel who are subject to occupational radiation exposure (have completed **Radiation Worker Training**) at the site and are considered non-essential to the operations of the site during a classified emergency situation.

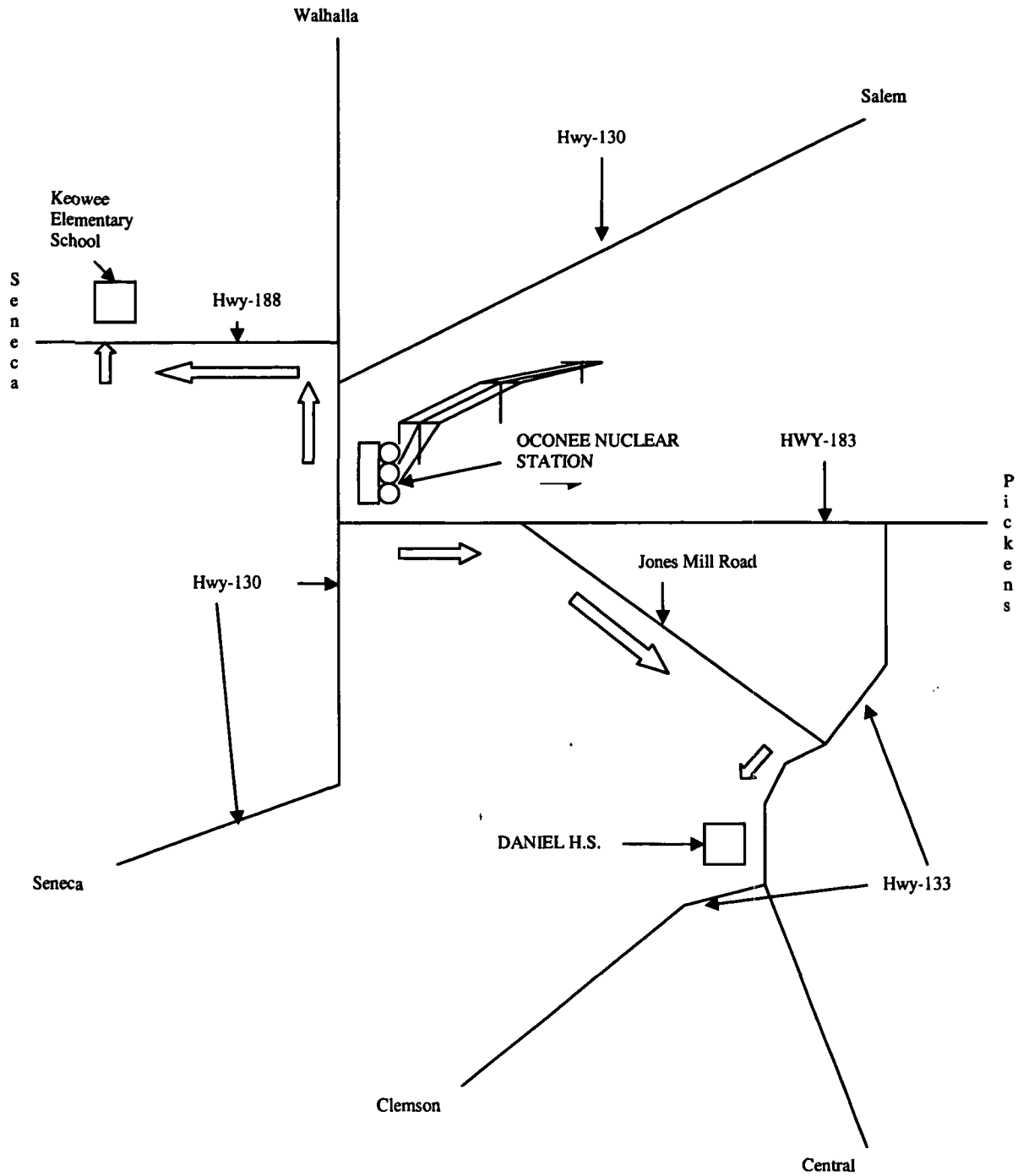
CATEGORY 3

Personnel who are radiation workers (have completed **Radiation Worker Training**) and who have been identified by their supervisors as being essential. Listings of these identified personnel are on file in the Security Badging area and the Emergency Planning Office.

Enclosure 4.5
Emergency Evacuation Routes (from site)

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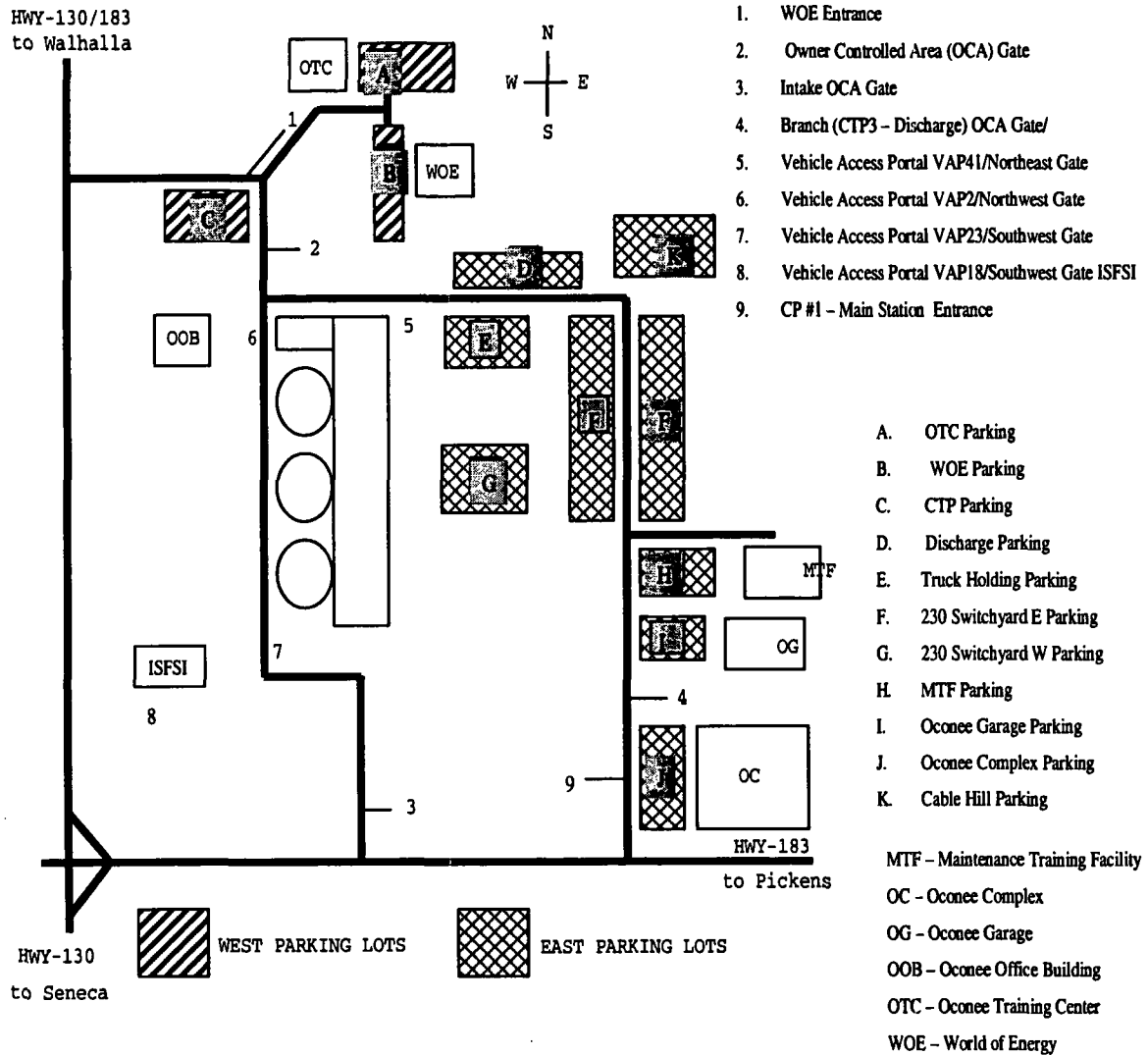
1. EMERGENCY EVACUATION ROUTES



Enclosure 4.6

Parking Lot/Site Access Designations

RP/0/A/1000/010
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Evacuation/Relocation Plan A (ALPHA)

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1. Site Evacuation/Relocation Plan A (ALPHA)

SITE EVACUATION/RELOCATION PLAN A (ALPHA)				
PLANT STATUS: Conditions exist that require Evacuation/Relocation of non-essential personnel and members of the general public from the plant site. Radioactive release _____ occurring at this time.				
PERSONNEL TO BE EVACUATED:				
EVACUATION TIME	PERSONNEL CATEGORIES			
	A. All members of the General Public.			
	B. Category 1- All Plant Access Workers			
	C. Category 2 – All Radiation Workers who have not completed Emergency Response Training			
	D. Category 3 – All Radiation Workers who have completed Emergency Response Training designated by management as evacuees.			
WIND DIRECTION:				
PARKING LOTS AVAILABLE FOR USE: _____ East Parking Lots _____ West Parking Lots				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-size: small;"> WEST PARKING LOTS (diagonal lines) EAST PARKING LOTS (cross-hatch) </p> </div> <div style="width: 50%;"> <ol style="list-style-type: none"> 1. WOE Entrance 2. Owner Controlled Area (OCA) Gate 3. Intake OCA Gate 4. Branch (CTP3 – Discharge) OCA Gate/ 5. Vehicle Access Portal VAP41/Northeast Gate 6. Vehicle Access Portal VAP2/Northwest Gate 7. Vehicle Access Portal VAP23/Southwest Gate 8. Vehicle Access Portal VAP18/Southwest Gate ISFSI 9. CP #1 – Main Station Entrance <ol style="list-style-type: none"> A. OTC Parking B. WOE Parking C. CTP Parking D. Discharge Parking E. Truck Holding Parking F. 230 Switchyard E Parking G. 230 Switchyard W Parking H. MTF Parking I. Oconee Garage Parking J. Oconee Complex Parking K. Cable Hill Parking <p style="font-size: x-small;"> MTF – Maintenance Training Facility OC – Oconee Complex OG – Oconee Garage OOB – Oconee Office Building OTC – Oconee Training Center WOE – World of Energy </p> </div> </div>				
EC/OSM Signature		Time/Date		
DECONTAMINATION CENTER/POST EVACUATION ASSEMBLY LOCATION:				
<input type="checkbox"/> 1. Personal Residence Transportation Required	<input type="checkbox"/> 2. Daniel High School Transportation Required	<input type="checkbox"/> 3. Keowee Elementary Transportation Required	<input type="checkbox"/> 4. Oconee Complex Transportation NOT Required	<input type="checkbox"/> 5. Oconee Training Center Transportation NOT Required
EVACUATION INSTRUCTIONS:				

1. Evacuation/Relocation Plan B (BRAVO)

Plant Status

Imminent Jocassee/Keowee Dam failure exists.

Personnel to be Evacuated/Relocated

All personnel and members of general public will be evacuated/relocated from Oconee Complex, Oconee Motor Pool, Maintenance Training Facility, Security Firing Range/track, Warehouse #5A, and any other facility housing personnel in that area.

Best Evacuation/Relocation Assembly Locations

Operations Training Facility and World of Energy.

Evacuation/Relocation Instruction:

EC/OSM Signature _____

Time/Date _____ {2}

Enclosure 4.9
No Longer Used

RP/0/A/1000/010
Page 1 of 1

Enclosure 4.10
Oconee Complex Room Assignments

RP/0/A/1000/010
Page 1 of 1

1. Oconee Complex Room Assignments

ROOM	ROOM #	DIVISIONS/GROUPS ASSIGNED
Conference Room	1075	VP Staff Radiation Protection Safety Assurance NRC Operations Training Community Relations
Auditorium	1080	I&E * Work Control Safety I/T * Document Management * Human Resources * Business Management Security
Cafeteria	1114	Chemistry Mechanical Systems Engineering * Mechanical/Civil Equipment Engineering * Modifications Engineering * Food Service Vendor *
Hallway (Leading to Warehouse)	1224	Mechanical Maintenance
Conference Room	2050	Nuclear Supply Chain* Site Services*/Garage Personnel
Training	2092	Mechanical Maintenance Mechanical QC Services
Conference Room	2161	Mechanical Maintenance
Conference Room	2182	Mechanical Maintenance
Warehouse		ESS
Warehouse		Bartlett

*Applicable to those personnel not located at the Oconee Complex

Oconee Training Center Room Assignments

1. Oconee Training Center Room Assignments

ROOM	ROOM #	DIVISIONS/GROUPS ASSIGNED
Student Lounge	100	I&E
Classroom	204	Work Control
Classroom	205	Mechanical QC Services
Classroom	206	Bartlett Mechanical Systems Engineering
Classroom	207	Chemistry Mechanical/Civil Equipment Engineering Modifications Engineering
Classroom	112	Mechanical Maintenance Nuclear Supply Chain Site Services/Garage Personnel
Conference Room	115	Safety Assurance NRC
Conference Room	116	VP Staff Radiation Protection Training (Oconee Office Building) Training (Maintenance Training Facility)
Canteen	120	I/T Document Management Human Resources Budget & Financial Planning
Instructor Staff	122	Operations
Instructor Staff	127	Food Service Vendor
Lobby	128	Safety Security

Enclosure 4.12
Example Site Evacuation/Relocation PA
Announcements

RP/0/A/1000/010
Page 1 of 1

1. Example Site Evacuation/Relocation PA Announcements

1.1 Circle applicable action to take for evacuation or relocation and cross-out action not applicable. {2}

1.2 The following announcement is applicable to drills/exercises:

THIS IS A DRILL !!!
THIS IS A DRILL !!!

THIS IS A SITE EVACUATION (RELOCATION) ANNOUNCEMENT !!!

THIS IS A SITE EVACUATION (RELOCATION) ANNOUNCEMENT !!!

EVACUATE THE SITE ACCORDING TO EVACUATION/RELOCATION PLAN ____.

REPORT TO POST EVACUATION ASSEMBLY LOCATION ____ GROUP
EVACUATION COORDINATORS SHOULD REFER TO THEIR PLANS AND
INITIATE EVACUATION OF CATEGORY ____ ASSIGNED PERSONNEL AT THIS
TIME.

(Provide any additional instructions as determined by RP – See 3.0 below)

THIS IS A DRILL !!!

THIS IS A DRILL !!!

2. The following announcement is applicable for actual emergency situations requiring site Evacuation/Relocation:

THIS IS A SITE EVACUATION (RELOCATION) ANNOUNCEMENT !!!

THIS IS A SITE EVACUATION (RELOCATION) ANNOUNCEMENT !!!

EVACUATE THE SITE ACCORDING TO EVACUATION/RELOCATION PLAN ____.
REPORT TO POST EVACUATION ASSEMBLY LOCATION ____ GROUP EVACUATION
COORDINATORS SHOULD REFER TO THEIR PLANS AND INITIATE EVACUATION
OF CATEGORY ____ ASSIGNED PERSONNEL AT THIS TIME.

(Provide any additional instructions as determined by RP – See 3.0 below)

3. Additional Instructions:

1. List of Definitions

- 1.1 **Essential - Personnel necessary as determined by Group Managers to support site/station in the event of an emergency**
- 1.2 **Non-Essential - Personnel not necessary as determined by Group Managers to support site/station in the event of an emergency.**
- 1.3 **Site Evacuation - When personnel are determined non-essential by Group Managers and instructed to leave site for safety purposes.**
- 1.4 **Site Relocation - When personnel are instructed to relocate to another area/location of the site to avoid the consequences of a dam failure, hazardous chemical spill, and or radiological exposure concerns.**
- 1.5 **EOF - Emergency Operations Facility**
- 1.6 **EOC - Emergency Operations Center**

References

1. PIP 02-5829
2. PIP 05-1757
3. PIP 05-6812
4. PIP 07-1590
5. PIP 07-5157
6. PIP O-10-2874
7. PIP G-10-1416

§50.54(q) Screening Evaluation Form

Activity Description and References: RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel, rev 001

BLOCK 1

See attached sheet for all changes pertaining to this procedure.

Activity Scope:**BLOCK 2**

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

Change Type:**BLOCK 3**

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

Change Type:**BLOCK 4**

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

Planning Standard Impact Determination:**BLOCK 5**

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

***Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

Commitment Impact Determination:**BLOCK 6**


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

Results:**BLOCK 7**

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

Preparer Name:
John Kaminski

Preparer Signature

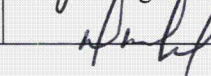


Date:

12/3/13

Reviewer Name:
Don Crowl

Reviewer Signature



Date:

12/12/13

§50.54(q) Effectiveness Evaluation Form

Activity Description and References: RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel rev. 001	BLOCK 1
Activity Type: <input type="checkbox"/> The activity <u>is</u> a <i>change</i> to the <i>emergency plan</i> <input checked="" type="checkbox"/> The activity affects implementation of the <i>emergency plan</i> , but <u>is not</u> a <i>change</i> to the <i>emergency plan</i>	BLOCK 2
Impact and Licensing Basis Determination: <u>Licensing Basis:</u> 1. 10CFR50.47.b(10) A range of protective actions has been developed for the plume exposure pathway EPZ for emergency workers and the public. In developing this range of actions, consideration has been given to evacuation, sheltering, and, as a supplement to these, the prophylactic use of potassium iodide (KI), as appropriate. Evacuation time estimates have been developed by applicants and licensees. Licensees shall update the evacuation time estimates on a periodic basis. Guidelines for the choice of protective actions during an emergency, consistent with Federal guidance, are developed and in place, and protective actions for the ingestion exposure pathway EPZ appropriate to the locale have been developed. 2. NUREG 0654II.J1 - Each licensee shall establish the means and time required to warn or advise onsite individuals and individuals who may be in areas controlled by the operator, including: Employees, visitors, contractors and construction personnel and others in the OCA. 3. NUREG 0654II.J2 - Each licensee shall make provisions for evacuation routes and transportation for onsite individuals to some suitable offsite location, including alternatives for inclement weather, high traffic density and specific radiological conditions. 4. NUREG 0654II.J4 - Each licensee shall provide for the evacuation of onsite non-essential personnel in the event of a Site or General Emergency. 5. ONS E Plan Section J. 1 Accountability - The Oconee Nuclear Site has a Site Assembly Procedure that gives specific instructions to follow during a site assembly. Also, each division/section has specific directives that provide guidance for their personnel. (Site Assembly locations, Figure J-5) Methods to notify and alert onsite personnel (essential and non-essential) during hostile action activities are described in AP/0/A/1700/045, "Site Security Threats". RP/0/B/1000/010 "Procedure for Emergency Evacuation/Relocation of Site Personnel". RP/0/B/1000/009, "Procedure for Site Assembly". 6. ONS E Plan Section J. 3 Site Evacuation Procedures - Personnel The site evacuation procedure establishes guidelines for evacuation from the station site. This procedure outlines the radiological exposure limits. All station personnel inside the protected area will be monitored before being evacuated from the station. Records will be kept of the individual's exposure/contamination level prior to evacuation. All personnel, so designated, will then be evacuated to pre-designated areas for thorough personnel monitoring and decontamination.	BLOCK 3
Compliance Evaluation and Conclusion: 1. <u>Evaluation:</u> The proposed revision continue to provide for evacuation of all individuals as identified in 10CFR50.47b (10), and as amplified in NUREG 0654 II.J1, J2 and J4, evacuation routes and provided transportation means continue to be identified and have not changed as a result of this revision, the evacuation procedure continues to address evacuation of onsite non-essential personnel and the means to Alert all individuals within the owner controlled area of the need for protective measures. The guidelines for evacuation continue to be provided for within the proposed revision. Therefore all regulatory requirements continue to be met, the requirements as committed to in the ONS E Plan continue to be met, therefore the proposed revision continues to ensure compliance with all regulations and commitments. <u>Conclusion:</u> The proposed activity <input checked="" type="checkbox"/> <u>does</u> / <input type="checkbox"/> <u>does not</u> continue to comply with the requirements.	BLOCK 4

1. Evaluation:

The proposed changes are being made for the reasons as listed below:

1. Enhancement - Adds a note to ensure appropriate reviews are completed as required by regulations.
2. Enhancement - Adds flexibility to when a site evacuation is conducted. Previous version required a site assembly always before evacuation, potentially putting personnel at risk in fast breaking scenarios.
3. Enhancement - Minor grammatical clarification and an editorial correction for formatting.
4. Editorial - eliminated NOTE -action steps do not belong in a NOTE
5. Editorial - corrected formatting issues with procedure, Enhancement clarified NOTE's intent.
6. Enhancement - made note from item 4 above into action step.
7. Enhancement - clarification that Enclosure 4.3 applies to Jocassee dam failures as well because a Jocassee dam failure most likely will result in a Keowee Dam failure.
8. Editorial - title change
9. Editorial - title change
10. Editorial - title change
11. Enhancement - eliminated duplicated information from another procedure.
12. Editorial - formatting of step numbers. Enhancement to add step for early release of non-essential personnel.
13. Enhancement - provide clarity of directions for evacuation during a radiological release.
- 14 through 19. Editorial - title changes and formatting of step numbers
20. Editorial to renumber steps, added note for expected action as a result of a drill comment, clarified expectations.
21. Enhancement from drill comment to clarify expectations.
22. Enhancement - Made sub-step into a NOTE because it is informational in nature.
23. Editorial -renumbered step and corrected title of group providing support
24. Editorial - renumbered steps Enhancement - enables a more rapid evacuation to occur as needed for rapidly evolving events (eg. dam failure) in which time needed to conduct a Site Assembly places site personnel at greater risk.
25. Editorial - eliminated duplicate information contained in RP/0/A/1000/009
26. Enhancement to clarify roles and actions expected, enables delegation of action
27. Enhancement to remove step that provided no action. Editorial to renumber /reformat as appropriate. Enhancements to clarify command and control actions, clarify steps to be taken and to add other steps to ensure actions necessary are included.
28. Editorial -renumbered steps for format consistency. Editorial - title change. Enhancement - eliminated unnecessary inclusion of action done by another individual.
29. Editorial - eliminated duplicate information contained in RP/0/A/1000/009
30. Editorial - to include appropriate direction (evacuate /relocate) consistent with title. Enhancement as Jocassee dam failure produces same end result.
31. Editorial - eliminated duplicate information contained in RP/0/A/1000/009
- 32 and 33. Editorial - corrected room reference
34. Editorial - consistent with procedure purpose
35. Editorial - update PIP reference list.

The proposed revision provides for clarification / enhancement of the procedure directions, provides for enhancements suggested as a result of the EP Drill program, and editorially corrects the formatting to be consistent throughout the procedure. The addition of the Jocassee Dam failure to the procedure continues to support the function of the procedure - to provide for the protection of all individuals in the owner controlled area. The Jocassee dam failure may be a precursor to the failure of the Keowee Dam and with the potential short time between interval the two failures, it may not be practical to conduct site assembly, again furthering the intent and function of the procedure. The timing of the function (to evacuate) is thus enhanced by providing for the potential impact of the Jocassee Dam failure on the Keowee Dam. The timeliness of the evacuation function is further enhanced by flexibility through the elimination of the need to always conduct a site assembly prior to evacuating. Therefore there will have been no reduction in the effectiveness of the ONS E Plan as a result of the proposed revision.

Conclusion:

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

Effectiveness Evaluation Results**BLOCK 6**

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

Preparer Name:
John Kaminski

Preparer Signature

Date:

12/4/13

Reviewer Name:
Don Crowl

Reviewer Signature

Date:

12/12/13

Approver Name:
Pat Street

Approver Signature

Date:

1/6/14

Comparison Matrix
RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel

Change #	Page / Section	Current Wording	Proposed Wording	Reason for Change
1	Page 2 of 4/ NOTE	This is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be forwarded to Emergency Planning within seven (7) working days of approval.	This is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be: Reviewed in accordance with 10CFR50.54q by Emergency Planning prior to approval. Forwarded to Emergency Planning within seven (7) working days of approval.	Ensure appropriate reviews are conducted
2	Page 2 of 4 / Purpose	Site Evacuation is activated only after personnel have been assembled through a Site Assembly.	Site Evacuation is typically activated only after personnel have been assembled through a Site Assembly at the discretion of the OSM/EC.	Enhancement that provides implementation flexibility
3	Page 2 of 4 /Section 1 Symptoms	This procedure describes the symptoms needed to take actions for relocation/evacuation of general public or category 1, 2 & 3 personnel, Enclosure 4.4 (Categories of Personnel). General Public and Category 1 Enclosure 4.4, (Categories of Personnel)	This procedure describes the symptoms needed to take actions for relocation/evacuation of general public or category 1, 2 & 3 personnel, <i>See</i> Enclosure 4.4 for definitions of Categories of Personnel. Eliminated	Enhancement to provide clarification of procedure requirements. Editorial, cleaned up formatting.
4	Page 2 of 4 /Section 1 Symptoms	NOTE: As a result of any of the below Emergency Coordinator may decide to evacuate/relocate General Public and Category 1 personnel	1.1 As a result of any of the below the Emergency Coordinator may decide to evacuate/relocate General Public and Category 1 personnel.	Editorial, cleaned up formatting.
5	Page 2 of 4 /Section 1 Symptoms	Category 2 and 3, Enclosure 4.4, (Categories of Personnel) NOTE: Doses with the potential to exceed annual limits in any area of the plant as a result of an accident or emergency. Doses received to mitigate the recovery process of an accident or emergency must be approved.	(deleted) NOTE: Doses expected to be received to mitigate the recovery process of an accident or emergency must be approved.	Editorial, cleaned up formatting. Enhancement to clarify intent of note and to remove a grammatically incomplete statement.
6	Page 2 of 4 /Section 1 Symptoms	NONE	1.2 As a result of any of the below, the Emergency Coordinator may decide to evacuate / relocate Category 2 and 3 personnel.	Enhancement to provide clarification of procedure requirements.
7	Page 3 of 4 / Section 2.3	Dam Failure – Condition “A” (Actual/Imminent Dam failure) for Keowee Hydro project dams/dikes the Emergency Coordinator should refer to Enclosure 4.3, (Response to Condition “A” for Keowee Hydro project dams/dikes).	Dam Failure – Condition “A” (Actual/Imminent Dam failure) for Keowee Hydro project dams/dikes the Emergency Coordinator should refer to Enclosure 4.3, Actual / Imminent Dam Failure for Jocassee and / or Keowee Hydro project dams/dikes).	Enhancement to provide clarification of procedure requirements, and protect site personnel
8	Page 3 / Subsequent Actions / step 3.1	EOF State/County Communicator	<i>Offsite Agency</i> Communicator	Title change - editorial to comply with EOF Title
9	Page 3 / Subsequent Actions / step 3.2.1	EOF State/County Communicator	<i>Offsite Agency</i> Communicator	Title change - editorial to comply with EOF Title
10	Page 3 / Subsequent Actions / step 3.3	...Site Superintendent and Managers...	...Site Supervisors and Managers...	Title change eliminate erroneous title of superintendent not used at Oconee.
11	Page 4 / 4.0 Enclosures	4.9 Group Site Assembly Locations	No Longer used	Enhancement to eliminate duplicate information to that contained in RP/0/A/1000/009

Comparison Matrix
RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel

Change #	Page / Section	Current Wording	Proposed Wording	Reason for Change
12	Page 1 Enclosure 4.1	When it is determined that... 1.1 Request all superintendents / managers to determine the site support staff required to support the emergency organization.	1.1 When it is determined that ... Moved - 1.1 to step 1.1.3 Added - 1.1.1 IF no radiological release is occurring THEN Provide an early release of non shift and non ERO personnel to personal residence	Editorial - added sequencing to un-formatted step. Enhancement - added step to provide for early release of non-essential personnel
13	Page 1 Enclosure 4.1	none	1.1.2 IF a radiological release is occurring, THEN: Determine wind direction and evacuate as follows: <ul style="list-style-type: none"> • IF wind is from 180 to 360 degrees, Evacuate to Keowee Elementary School • IF wind is from 0 to 180 degrees, Evacuate to Daniel High School AND: Direct RP to support evacuation decontamination as appropriate	Enhancement - added clear directions for radiological release events.
14	Page 1 Enclosure 4.1	1.1 Request all superintendents/managers to determine the site support staff required to support the emergency organization.	1.1.3 Direct all supervisors/managers to determine the site support staff required to support the emergency organization.	Editorial Changes titles and re-numbering steps
15	Page 1 Enclosure 4.1	1.1.1 Superintendents/ Managers will...	1.2 Supervisors/Managers will...	Editorial Changes titles and re-numbering steps
16	Page 1 Enclosure 4.1	1.1.2 Group Evacuation Coordinators... sections	1.2.1 Supervisors / Managers... Group Evacuation Coordinators...	Editorial - Clarified roles and titles
17	Page 1 Enclosure 4.1	1.2 Site Communications Specialist	1.3 Site Public Affairs Specialist	Editorial - title change
18	Page 1 Enclosure 4.1	1.2.1 Site Communications Specialist	1.3.1 Public Affairs Specialist	Editorial - title change
19	Page 1 Enclosure 4.1	1.3...	1.4...	Editorial - title change
20	Page 2 Enclosure 4.1	1.4 TSC Offsite Communicator 1.4.3 The TSC Offsite Communicator makes the PA Announcement per Enclosure 4.12	1.5 TSC Offsite Communicator Added Note: Any delay in ...	Editorial renumbered step Added note for expected action Clarified expectations
21	Page 2 Enclosure 4.1	1.4.4 Notify TSC/OSC Liaison if OSC (Site Services Group) support	1.4.3 The TSC Offsite Communicator makes the PA Announcement per Enclosure 4.12 (...) <i>using phone 3706 (with PA speed dial)</i> to notify...	Enhancement to clarify expectations, drill comment
22	Page 2 Enclosure 4.1	1.4.3 ... For relocation of site personnel...	NOTE: For relocation of site personnel see the following enclosures for applicability: Enclosure 4.10 (Oconee Complex Room Assignments) and 4.11 (Oconee Training Center Room Assignments).	Enhancement - Made sub-step into a NOTE because it is informational in nature.
23	Page 2 Enclosure 4.1	1.4.4 Notify TSC/OSC Liaison if OSC (Site Services Group) support is required for assistance with transportation needs.	1.4.5 Notify TSC/OSC Liaison if OSC (Nuclear Supply Chain) support is required for assistance with transportation needs.	Editorial -renumbered step and corrected title of group providing support. (title change- same group).

Comparison Matrix
RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel

Change	Page / Section	Current Wording	Proposed Wording	Reason for Change
24	Page 3 of 4 Enclosure 4.1	1.6.1 Evacuation/Relocation can only occur after Site Assembly. The following information will be needed	1.7.1 Evacuation/Relocation typically only occurs after Site Assembly. The following information will be needed	Editorial - renumbered steps Enhancement - enables a more rapid evacuation to occur as needed for rapidly evolving events (eg. dam failure) in which time needed to conduct a Site Assembly places site personnel at greater risk
25	Page 4 of 4 Enclosure 4.1	Site Evacuation Log	Deleted	Editorial - eliminated duplicate information contained in RP/0/A/1000/009
26	Page 1 / Enclosure 4.2	<p>1.1 Hazardous Waste Storage Area Relocation Responsibilities: When it is determined that the emergency situation requires relocation of personnel from the Radwaste Facility or L-1 Storage Yard, the Emergency Coordinator/OSM shall:</p> <p>1.1.3 The Emergency Coordinator or his assistant or OSM shall make ... phone calls:</p>	<p>1.1 When it is determined that the emergency situation requires relocation of personnel from the Radwaste Facility or L-1 Storage Yard, the Emergency Coordinator/OSM shall:</p> <p>1.1.3 The OSM / Emergency Coordinator or his assistant shall ensure the following PA... phone calls is made.</p> <p>(added)...A... Message should be repeated so that it is made twice. ...B. ... Message should be repeated so that it is made twice</p>	<p>Enhancement to clarify roles and actions expected enables delegation of action.</p> <p>Added OSM as this position may be implementing this procedure. Added clarification for repeating announcements 2 times to enhance the chance of personnel to hear and understand the message.</p>
27	Page 1 of 3 Enclosure 4.3	<p>1.1 Response to Condition "A" (Actual/Imminent Dam failure) for Keowee Hydro project dams/dikes When it is determined that Condition "A" exist, actions must be taken to relocate personnel located at the Oconee Complex, Oconee Motor Pool, Maintenance Training Facility, Security Firing Range/track and Warehouse #5A or any other facility housing personnel in that area.</p> <p>1.1.1 Keowee...</p> <p>1.1.2 Personnel...</p> <p>1.2 TSC</p> <p>1.2.1 Request the Offsite ... to prepare an evacuation plan</p> <p>1.3 Offsite Communicator's...</p> <p>1.3.3 Provide PA...</p> <p>NA</p>	<p>(deleted previous info) 1.1.1 is now 1.1</p> <p>1.1 Keowee personnel will be relocated to the OSC if events occur where their safety could be affected.</p> <p>1.2 Personnel...</p> <p>1.3 TSC...</p> <p>1.3.1 Direct the Offsite... to prepare an evacuation/relocation plan</p> <p>(new step) 1.3.2 Direct Security to warn personnel...</p> <p>1.4 Offsite Communicator's...</p> <p>1.4.3 Make PA ...</p> <p>(new step) 1.4.5 If requested contact appropriate county EOC...</p>	<p>Enhancement to remove step that provided no action.</p> <p>Editorial to renumber /reformat as appropriate.</p> <p>Enhancements to clarify command and control actions, clarify steps to be taken and to add other steps to ensure actions necessary are included.</p>
28	Page 2 Enclosure 4.3	<p>1.4 Radiation Protection...</p> <p>1.5.1 Receive communication by Superintendents/Managers</p> <p>1.5.4 Report status of Evacuation/Relocation efforts to phone mail #5094, this status will be retrieved by Emergency Planning person in TSC.</p>	<p>1.5 Radiation Protection...</p> <p>1.6.1 Receive communication by Supervisors/Managers</p> <p>1.6.4 Report status of Evacuation/Relocation efforts to phone mail #5094.</p>	<p>Editorial -renumbered steps for format consistency.</p> <p>Editorial - title change</p> <p>Enhancement - eliminated unnecessary inclusion of action done by another individual.</p>
	Page 3 Enclosure 4.3	Site Evacuation Log	deleted	Editorial - eliminated duplicate information contained in RP/0/A/1000/009

Comparison Matrix
RP/0/A/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel

Change #	Page / Section	Current Wording	Proposed Wording	Reason for Change
30	Page 1 of Enclosure 4.8 Personnel to be Evacuated	Evacuated Imminent Keowee Dam Failure Personnel to be Evacuated	Evacuated/relocated Imminent Jocassee/Keowee Dam Failure Personnel to be Evacuated/Relocated	Editorial - to include appropriate direction (evacuate /relocate) consistent with title. Enhancement as Jocassee dam failure produces same end result.
31	Page 1 Enclosure 4.9	Group Site Assembly Locations	(Delete drawing) No Longer Used	Editorial - duplicate of information contained in RP/0/A/1000/009
32	Page 1 of Enclosure 4.10	Training room 2088	Training room 2092	Editorial - corrected room reference
33	Page 1 of Enclosure 4.11	Room numbers 104, 105, 106, 107	204, 205, 206, 207	Editorial - corrected room reference
34	Enclosure 4.12	Evacuation	Evacuation/ Relocation	Editorial - consistent with procedure purpose
35	Enclosure 4.14		Added PIP references 3-7	Editorial