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ONS-2017-017

10 CFR 50.54(q)

March 2, 2017

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 1, Revision 2017-001

Please find attached for your use and review a copy of the revision to the Oconee Nuclear Station 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, two copies of this revision are being provided to the NRC, Region II, Atlanta, Georgia.

Sincerely,

Thomas D. Ray
Vice President
Oconee Nuclear Station

Attachments:
EPIP Volume 1 - Revision 2017-001
Revision Instructions
EPIP Procedure: RP/0/A/1000/025 Rev. 007
50.54(q) Evaluation Screening Evaluation Form
50.54(q) Effectiveness Evaluation Form

AX45
NRR

ONS-2017-017

U. S. Nuclear Regulatory Commission
March 2, 2017

xc: w/2 copies of attachments

Ms. Catherine Haney
Administrator, Region II
Marquis One Tower
245 Peachtree Center., NE Suite 1200
Atlanta GA 30303-1257

w/copy of attachments

Mr. James R. Hall, Senior Project Manager
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
11555 Rockville Pike
Mailstop: O-8G9A
Rockville, MD 20852 2738
(send via E-mail)

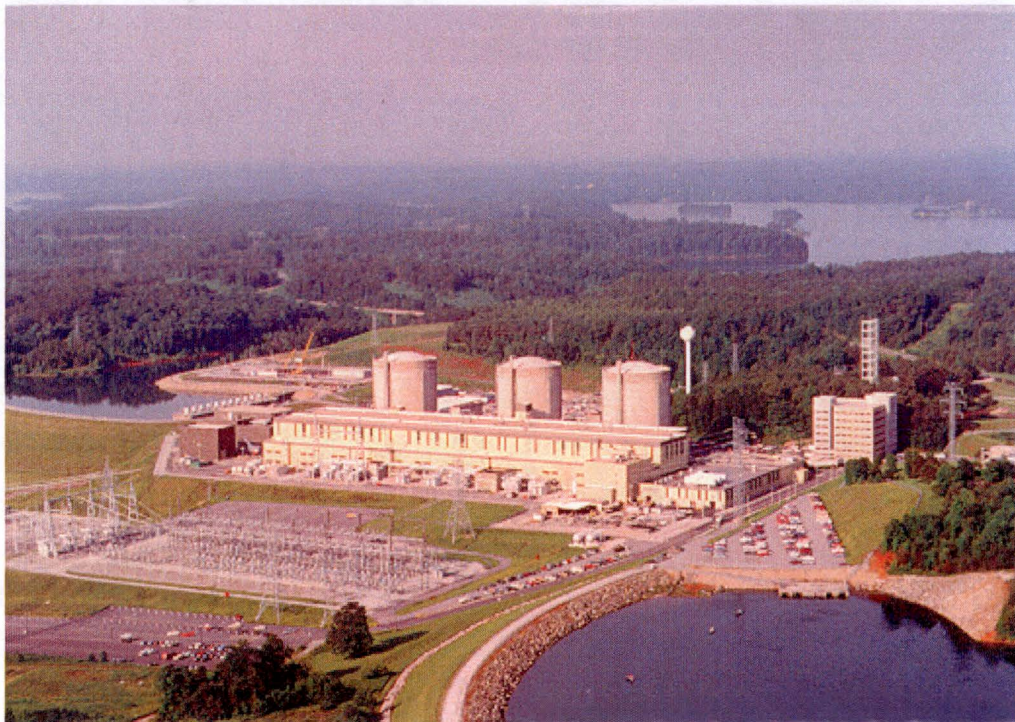
w/o attachments

Mr. Eddy Crowe
NRC Senior Resident Inspector
Oconee Nuclear Station

ELL - EC2ZF



**OCONEE NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES
Volume 1**



APPROVED:

A handwritten signature in dark ink, appearing to read "Dean Hubbard", written over a horizontal line.

Dean Hubbard
Director, Nuclear Organizational Effectiveness

A handwritten date "2-17-2017" in dark ink, written over a horizontal line.

Date Approved

**Volume 1
REVISION 2017-001
February 2017**

February 1, 2017

OCONEE NUCLEAR STATION

SUBJECT: Emergency Plan Implementing Procedures
Volume 1, Revision 2017-001

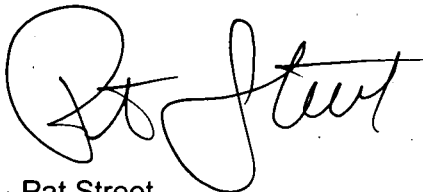
Please make the following changes to the Emergency Plan Implementing Procedures Volume 1.

REMOVE

Cover Sheet	Rev. 2016-005
Instructions	Rev. 2016-005
RP/0/A/1000/025	Rev 006

INSERT

Cover Sheet	Rev. 2017-001
Instructions	Rev. 2017-001
RP/0/A/1000/025	Rev 007

A handwritten signature in black ink, appearing to read 'Pat Street', with a large, stylized initial 'P'.

Pat Street
ONS Emergency Preparedness Mgr.

<p>Duke Energy Company Oconee Nuclear Station</p> <p>Operational Support Center Manager Procedure</p> <p>Reference Use</p>	<p>Procedure No.</p> <p>RP/0/A/1000/025</p>
	<p>Revision No.</p> <p>007</p>
	<p>Electronic Reference No.</p> <p>OP009A69</p>

Operational Support Center Manager Procedure

- NOTE:**
- This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be reviewed in accordance with 10CFR 50.54(q) by Emergency Preparedness prior to approval. A copy of this procedure must be forwarded to Emergency Preparedness within seven (7) working days 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 of the level of safety of the plant and activation of the Emergency Response Organization (ERO) has been initiated.

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. Assemble unit specific response teams with Ops Superintendent, Nuclear Engineer and an Engineering Manager in the TSC, and Unit Specific OSC Manager in the OSC as well as supporting craft personnel in the Alternate Emergency Response Facility (ERF) for unit specific response for each affected unit. 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.

2. Immediate Actions

- NOTE:**
- This procedure is NOT required to be followed in step-by-step sequence. Sections of the procedure are to be implemented, as the applicable action becomes necessary.
 - Place Keeping aids: _____ at left of steps may be used for procedure place keeping (✓).
 - Major events are required to be documented in the OSC Manager's Log (maintained by the W. C. Technical Assistant I).
 - FIN24 Team Supervisor shall act as the OSC Manager until relieved by Work Control.

- _____ 2.1 Provide each responding manager with the appropriate enclosure to use as guidance for their response.
- _____ 2.2 OSC responders will complete all the applicable steps contained in the appropriate enclosures.

_____ 2.3 Request each responding manager to return the signed applicable OSC Personnel Log for their group.

- Work Control Technical Assistant I – Enclosure 4.1
- Work Control Technical Assistant II – Enclosure 4.2
- Radiation Protection Manager – Enclosure 4.3
- OSC RP Assistant – Enclosure 4.4
- OSC RP Shift Supervisor – Enclosure 4.5
- OSC Personnel Log – Radiation Protection – Enclosure 4.5.1
- Nuclear Supply Chain – Enclosure 4.6
- Security – Enclosure 4.7
- Engineering - Enclosure 4.8
- Maintenance Manager – Enclosure 4.9
- FIN24 Team Supervisor – Enclosure 4.10
- OSC Personnel Log – FIN24 Team – Enclosure 4.10.1
- Chemistry – Enclosure 4.11
- OSC Personnel Log – Chemistry – Enclosure 4.11.1
- Operations OSC Liaison (Duty Person) – Enclosure 4.12
- Operations OSC SRO – Enclosure 4.13
- OSC Personnel Log – Operations Enclosure 4.13.1
- OSC Organization Chart – Enclosure 4.14
- OSC Personnel Log – Enclosure 4.14.1

- NOTE:**
- GETS cards are available in the GETS Binder located in the TSC Procedures 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. {10}
 - OSC Manager's phone is the primary system used to communicate with the TSC/OSC Liaison at 864-873-3719. Back-up is the Polycom conference phone. PA system is used to conduct roundtables and provide updates.

2.4 Establish communications systems:

- Assure OSC Manager's phone is operable
- Set up the OSC Public Address system
 - Turn "Realistic PA Amplifier" power "ON".
 - Adjust master volume control to approximately 15
 - Turn microphone switch "ON"
 - Test volume levels
- Turn up volume on the Plant PA System in the OSC. Volume control knob is located on the wall next to the east door in the OSC.

NOTE: The TSC Emergency Coordinator will declare the TSC and the OSC activated when all turnover is completed.

2.5 Make an announcement that the following groups have required positions and should submit completed minimum staffing level forms to the OSC Log/Status Keeper:

- Radiation Protection (Encl. 4.5.1)
- Maintenance (Encl. 4.10.1)
- Chemistry (Encl. 4.11.1)
- Operations (Encl. 4.13.1)
- Engineering (Encl. 4.14.1)

2.5.1 Consider the OSC operational when the shift groups have completed the minimum staffing level forms. Record the time in the OSC logbook.

2.6 Inform the TSC Emergency Coordinator that the OSC is operational.

- _____ 2.7 Make announcement that the OSC is operational and that you are the OSC Manager.
- _____ 2.8 Make announcement; 1) "No eating and drinking until the area has been released by RP." and 2) "Check dosimetry periodically"
- _____ 2.9 Verbally retrieve status of work from each group and establish command and control.

NOTE: Time critical task sheets do not have to be completed prior to team dispatch. High priority tasks are prioritized by the TSC and entered on the OSC Task Status board.

- _____ 2.9.1 Request the group OSC representatives to generate task sheets for all in-progress jobs.
- _____ 2.9.2 Designate individuals(s) to keep the OSC log and to enter job tracking information on the status board until relieved by WC Technical Assistants.
- _____ 2.9.3 If Site Assembly has been initiated, provide the names of dispatched personnel to Security

NOTE: Emergency Telephone Directory located in the OSC Procedures Cabinet.

- _____ 2.10 Personnel reporting to the Primary OSC (Unit 3 Control Room Area) will set up the facility in accordance with each responding manager's applicable enclosure and the layout page included in the Emergency Telephone Directory.
- _____ 2.11 **IF AT ANY TIME** the TSC/OSC Alternate Emergency Response Facility (ERF) has to be established, THEN personnel will report to the Oconee Office Building, Rooms 316 and will set up the facility in accordance with Step 3.6.
- _____ 2.12 Determine that each OSC group has signed the applicable OSC Personnel Log.

NOTE: The Duty OSC Manager will assume OSC Manager responsibilities from the FIN24 Team Supervisor once turnover is completed.

- _____ 2.13 The Duty OSC Manager shall conduct turnover with the FIN24 Team Supervisor after reporting to the OSC.
 - _____ 2.13.1 Conduct turnover with the FIN24 Team Supervisor using the OSC Manager Turnover Sheet located on page 3 of 4 of Enclosure 4.10, FIN24 Team Supervisor.
 - _____ A. Document time turnover is completed.

Time: _____

- _____ 2.13.2 Announce to the OSC that turnover with the FIN24 Team Supervisor has been completed and that you are the OSC Manager.
- _____ 2.13.3 Inform the TSC Emergency Coordinator that turnover with the FIN24 Team Supervisor has been completed and that you are the OSC Manager.
- _____ A. **IF** the TSC/OSC Liaison is available in the TSC,
THEN request the TSC/OSC Liaison @ 864-873-3719 to inform the TSC Emergency Coordinator.
- _____ B. **IF** the TSC/OSC Liaison is **NOT** available in the TSC,
THEN notify the TSC Emergency Coordinator @ 864-873-3704 or 864-873-3709.

3. Subsequent Actions

NOTE: If circumstances require the use of NON-ERO qualified resources (eg. vendors) to support OSC operations, then Emergency Response Training requirements must be waived by the Emergency Coordinator prior to their utilization in the OSC.

OSC MANAGER DUTIES ONCE THE OSC HAS BEEN ACTIVATED:

- _____ 3.1 Review staffing needs for OSC.
- _____ 3.1.1 Review OSC Personnel Logs from all groups to determine all positions have been filled.
- _____ 3.1.2 Determine appropriate OSC staffing. Establish adequate staffing levels in all groups.
- _____ A. Provide the names of NON-ERO personnel required to support OSC operations to the Emergency Coordinator.
- _____ 3.1.3 Ensure personnel accountability is established through completion of the personnel sign-in sheets for all personnel who have reported to the OSC. Continuing accountability will be the responsibility of the individual managers.
- OSC Personnel Log sheets are attached to each manager's enclosures.
 - Name and employee ID number is required.

- NOTE:**
- During declared emergencies, Duke Energy does **NOT** need to meet Fatigue Work Hour Controls. Once the declared emergency or the unannounced drill has been terminated, ALL HOURS worked during the declared emergency, will be included in future work hour calculations, including the determination of minimum breaks between shifts.
 - Consider hours previously worked prior to ERO activation in determining shift turnover schedules for 24 hour staffing.
- {11}

- _____ 3.1.4 Assure 24-hour staffing is in place should evacuation of non-essential personnel be required.
 - _____ A. Request all OSC Managers to maintain accountability of all the people in their group, in addition to those assigned to the OSC, that will remain onsite after non-essential personnel leave the site.
- _____ 3.1.5 Communicate/inform the Operations person in the OSC they now have the responsibility for answering the 4911 emergency phone.
- _____ 3.2 Perform assessments/roundtables at least **EVERY 30 MINUTES** and ensure that all OSC team members have clear understanding of high priority tasks and any time critical tasks. Coordinate the roundtables with the TSC Emergency Coordinator so roundtables with TSC and OSC run concurrently.

{4}

 - _____ 3.2.1 Request plant status from Ops. Liaison.
 - _____ 3.2.2 Review team status with OSC lead individuals.
 - _____ 3.2.3 Make announcements for outgoing activities and plant status to keep the OSC personnel updated.
 - _____ 3.2.4 Have all personnel in the OSC read dosimeters and remind the TSC personnel to do the same.

NOTE: Control noise in OSC

- _____ 3.3 Keep TSC/OSC Liaison updated on status of jobs in the field.
- _____ 3.4 If personnel resources are reduced, jobs will be prioritized as follows:
 - Tasks required by the Emergency Operating Procedure (EOP)
 - Emergency Coordinator in TSC shall be asked to determine which jobs have the highest priority.
- _____ 3.5 Plant procedures should be followed whenever possible. Should a situation arise where normal procedures would be inappropriate, action will be performed as determined by management of the dispatched team.

_____ 3.6 **IF AT ANY TIME** Activation of the OSC Alternate Emergency Response Facility (ERF) is required, **THEN:**

_____ 3.6.1 Relocate documentation (logbooks, task sheets, etc.), radios, battery packs and chargers to OSC Alternate Emergency Response Facility (ERF) in the event the alternate location (Room 316 Oconee Office Building) is required.

_____ 3.6.2 Security will unlock room 316, the Mechanical Equipment Room on the 3rd floor and remove the lock from the ladder in that room.

NOTE:

- Operations Shift Manager has authority to request Security to open Master File to secure additional procedures and/or drawings in the Oconee Office Building for Backshift, Holidays, and Weekends.
- A procedure cart is available in the Alternate Emergency Response Facility (ERF).

_____ 3.6.3 Establish room layout per diagram (from Emergency Telephone Directory) and set-up instructions posted on front of OSC and TSC roll around cabinets as follows:

NOTE: The OSC/TSC Alternate Emergency Response Facility (ERF) phones and equipment are located in the roll around cabinets in the OOB 3rd Floor Mechanical Equipment Room.

- Roll OSC/TSC cabinets into designated area of room 316
- Place tables per diagram on front of OSC/TSC cabinets
- Section off OSC from TSC using room divider
- Connect phones to wall jacks
- Establish PA system to communicate with craft personnel located in OOB classrooms. PA system is mounted on wall and will need to be plugged into a power source for operation. Wireless microphone is located in Alternate OSC cabinet.
- Place OSC/TSC location stanchions, labeled FF, at entrance point to Rooms 316
- Place access/accountability stanchions labeled CC, DD, and EE in place per diagram
- Move white status board into the TSC
- Move and set up OSC/TSC sign-in boards in 316
- Place ERO position signs at applicable work location
- Procedure cart is located in the Alternate TSC/OSC (EP Implementing Procedures).

_____ 3.6.4 Relocate the following equipment/supplies from the OOB 3rd Floor EP Area to the Alternate TSC:

- FAX machine (disconnect phone, power cords) and roll down on cart

_____ 3.6.5 Relocate computer from OOB Classroom 319 to the Alternate TSC (directions for disconnect and reconnect are posted on side of computer). This computer is used for the Dose Assessors.

_____ 3.7 **IF AT ANY TIME** Major damage team response is deemed necessary by OSC Manager:

THEN Send team to inspect damage. Suggested team makeup:

- Operations
- Radiation Protection
- FIN24 Team Members
- Security

_____ 3.8 **IF AT ANY TIME** Major fire/tornado/earthquake/flood damage.

THEN Refer to RP/0/A/1000/022. (Procedure for Major Site Damage Assessment And Repair) in the Unit 3 Control Room Emergency Plan Procedures cart located in OSC.

NOTE: Loss of offsite power could occur within 2.5 hours after Keowee Hydro Dam failure. A loss of the Little River Dam or Dikes A-D will take longer to affect this power path.

_____ 3.9 **IF AT ANY TIME** Keowee Hydroelectric Project Dam/Dike Failure, **THEN;**

_____ 3.9.1 **IF** requested by the TSC

THEN notify Nuclear Supply Chain Liaison to ensure the following activities are occurring:

NOTE: A loss of offsite communications capabilities (DEMNET) 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.

- Telecommunications Group is rerouting Oconee Fiber Optic network through Bad Creek.
- Heavy Equipment (eg; earth moving/dump truck, etc.) is enroute to Oconee.

NOTE: The following bridges are/may be impassable: Highway 123-76; Highway 93; Highway 183; Lawrence Ramsey Bridge; and SE37-149 (near JP Stevens Plant).

- Locating/acquiring additional transportation (eg: heavy lift helicopters) for site personnel.
- Heavy equipment and personnel are available to remove kontex barriers for site evacuation.

_____ 3.10 Termination and Deactivation of OSC

_____ 3.10.1 Drills – Verify WC Technical Assistants have provided the following to the lead OSC Controller:

- Copy of the OSC Log if hand written
- Task Worksheets developed as a result of the drill.

_____ 3.10.2 Real emergencies - All records generated during the Operation of the OSC for a real emergency will be reviewed by the OSC Manager. These records will be forwarded to the Work Control Manager for use during the recovery phase of the Event.

_____ 3.10.3 All equipment and still usable supplies will be returned to their storage locations.

_____ 3.10.4 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.

_____ 3.10.5 Verify that the OSC is ready for the next time activation is directed.

_____ 3.10.6 Perform a critique in accordance with AD-EP-ALL-0803, Evaluation and Critique of Drills and Exercises.

4. Enclosures

- 4.1 Work Control Technical Assistant I
- 4.2 Work Control Technical Assistant II
- 4.3 Radiation Protection Manager
- 4.4 OSC RP Assistant
- 4.5 OSC RP Shift Supervisor
 - 4.5.1 OSC Personnel Log – Radiation Protection
- 4.6 Nuclear Supply Chain
- 4.7 Security
- 4.8 Engineering
- 4.9 Maintenance Manager
- 4.10 FIN24 Team Supervisor
 - 4.10.1 OSC Personnel Log – FIN24 Team
- 4.11 Chemistry
 - 4.11.1 OSC Personnel Log - Chemistry
- 4.12 Operations OSC Liaison (Duty Person)
- 4.13 Operations OSC SRO
 - 4.13.1 OSC Personnel Log - Operations
- 4.14 OSC Organization Chart
 - 4.14.1 OSC Personnel Log
- 4.15 Reference
- 4.16 OSC Task Work Sheet

1. Work Control Technical Assistant I

Name: _____ Date: _____

_____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.

_____ Assist the OSC Manager

_____ Maintain official OSC Manager log via WebEOC or blue border log sheets for OSC communications and activities

_____ **REPEAT BACK** instructions/information received during OSC operations.

_____ Ensure 24-hour staffing for this position should evacuation of non-essential personnel be required.

_____ Provide adequate turnover when shift change occurs.

_____ Verify all logs are completed and signed.

_____ Provide copy of the OSC Log and the OSC Task Sheets to the OSC Lead Controller after completion of any drill. If WebEOC was used for log keeping, then EP can retrieve data.

- | |
|---|
| <p>NOTE:</p> <ul style="list-style-type: none">• Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.• Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room. |
|---|

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

Enclosure 4.2
Work Control Technical Assistant II

RP/0/A/1000/025
Page 1 of 2

1. Work Control Technical Assistant II

Name: _____ Date: _____

_____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.

_____ Using WebEOC, log all task and display on projector screen. If computers are down, write tasks on the Task Status Copy Board as teams are dispatched.

NOTE: Additional copy paper for status boards is located in the top drawer of the OSC procedures cabinet.

_____ Make a copy of the status board prior to erasing completed jobs. (Not required if using WebEOC)

_____ Maintain copies of status board data for Task Log. (Not required if using WebEOC)

_____ Send status board updates to TSC via FAX (number is in Emergency Telephone Directory) after each copy is made. Verify FAX machine is not being used for message updates prior to sending. (Not required if using WebEOC)

_____ Ensure priority rankings are provided if jobs have been ranked for completion. Have OSC Manager prioritize as needed.

_____ **REPEAT BACK** instructions/information received during OSC operations.

_____ Emergency plant status board is updated in TSC. Verify information is correct.

_____ Use electronic classification message sign for plant classification updates. Magnetic signs are available when electronic sign is inoperable.

_____ Post SAMG magnetic signs when applicable.

_____ Ensure 24-hour staffing is in place for this position should evacuation of non-essential personnel be required.

NOTE:

- Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.
- Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.3
Radiation Protection Manager

RP/0/A/1000/025
Page 1 of 3

1. Radiation Protection Manager

Name: _____ Date: _____

____ SIGN in on the OSC Personnel Status Board, SIGN OSC Personnel Log and PUT ON position badge.

____ Direct the following:

- ◆ Verify RP technicians are available to meet the required 45 and 75 minute response requirement.
- ◆ Ensure all RP OSC personnel are ERO qualified. If the non qualified personnel are needed in the OSC, notify the OSC Manager of their names.
- ◆ Ensure habitability surveys are current for the TSC/OSC/CR.
- ◆ IF responding to Hostile Action Based (HAB) event, notify the RP Incident Command Post Liaison that RP is present in the OSC.
- ◆ Assign SDS operator to secure area/process monitor information in the OSC staff room.
- ◆ Provide personnel to secure Rx building sample through normal means if directed by TSC.
- ◆ Provide availability of RP Fire Brigade Members to Operations OSC Liaison. {1}

____ Work with the OSC Managers to determine the following:

- ◆ Verify respiratory qualifications for team members using MyQuals or the Respiratory Qualification Report available in the RP Briefing Room.
- ◆ Verify their personnel have ED's dosimetry. Use dose cards if EDC is inoperable. RWP is 33.
- ◆ Establish the following guidelines for RP Support for OSC Teams:

General Emergency conditions require RP support

Rad levels over 100 mR/hr must be evaluated for RP support

Rad levels greater than 1000 mR/hr require RP support

Known contaminated areas (including airborne) require RP support

Enclosure 4.3
Radiation Protection Manager

RP/0/A/1000/025
Page 2 of 3

_____ Establish communications with the OSC Manager.

- ◆ Request OSC Manager to make announcement "No eating and drinking until the area has been released by RP."
- ◆ Provide radiological information as conditions change.
- ◆ Discuss the need for blanket dose extensions versus individual dose extension.

NOTE: Prior to any release of radioactive materials it may be prudent to conduct an early dismissal of non-essential personnel from the site

_____ Early Dismissal -

- ◆ **IF** Conditions warrant, discussion recommendations for early dismissal of non-essential personnel.
- ◆ **IF** Early dismissal is required, request the EC announce to the site (2 times): "All personnel that are not on the ERO or not supporting the emergency are to leave site for the day, personnel should check with their supervisors regarding when to return to site."

_____ Evacuation of site personnel

- ◆ Prompt Security and NSC personnel that they need to be prepared to move kontek barriers per their enclosures.
- ◆ Determine if Keowee Elementary School or Daniel High School will be used to survey personnel evacuated from site and if so ensure RP has opened/prepared and manned the school.
- ◆ Review requirements for distribution of KI with OSC RP Assistant. Request WC Technical Assistant I to document in OSC log any and all decisions regarding KI.
- ◆ Assure 24-hour staffing is in place should evacuation of non-essential personnel be required
- ◆ Determine if persons with special radiological exposure should be evacuated (e.g. declared pregnant women, people with radio-pharmaceutical limitations). Evacuate these people with non-essential personnel. Have WC Technical Assistant I document this decision in the OSC log.
- ◆ Request all TSC and OSC Managers acquire the name, employee ID number, and locations of any person(s) who may be left onsite after evacuation of non-essential personnel but are located in an area other than the OSC. Required for dose accountability purposes should radiological release occur.

Enclosure 4.3
Radiation Protection Manager

RP/0/A/1000/025
Page 3 of 3

_____ Relocation to the Alternate OSC:

- NOTE:**
- Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.
 - Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

Enclosure 4.4
OSC RP Assistant

RP/0/A/1000/025
Page 1 of 2

1. OSC RP Assistant

Name: _____ Date: _____

_____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.

_____ Notify the Radiation Protection Manager of arrival.

_____ Activate SDS for RIA data.

- Continuously track in-plant radiation levels as reported by RIA monitors. Provide info to RP Manager.
- **REPEAT BACK** instructions/information received during OSC operations.

_____ Provide computer entry of evacuation instructions to Station Emergency Evacuation Coordinators.

_____ Assist in administration of KI in accordance with AD-EP-ALL-0204 (Distribution of Potassium Iodide Tablets In The Event Of A Radioiodine Release).

_____ Ensure 24-hour staffing for this position should evacuation of non-essential personnel be required.

_____ Provide adequate turnover when a shift change occurs.

_____ Shutdown SDS.

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- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

OSC RP Shift Supervisor

Page 1 of 3

1. Radiation Protection Shift Supervisor

Name: _____ Date: _____

SIGN in on the OSC Personnel Status Board, SIGN OSC Personnel Log and PUT ON position badge._____
Serve as Radiation Protection Manager until relieved. Notify OSC Manager._____
Establish RP shift personnel to do the following:

- ◆ Provide support to medical emergencies in radiation areas only
- ◆ Provide RP response to fire emergencies
- ◆ Evaluate need for RP support of OSC teams in the field, if Rad Levels are greater than or equal to 100 mr/hr
- ◆ Accompany OSC teams if rad levels are greater than 1000 mR/Hr
- ◆ Control entry to contamination areas
- ◆ Provide fence survey (inside the Protected Area fence) if directed by Emergency Coordinator (Operations Shift Manager).

Direct the following:

- ◆ Account for all shift RP personnel for site assembly.
- ◆ Complete Task Worksheets prior to sending team out. Review Task Worksheets for accuracy when the team returns.
- ◆ Assign a-radio for all RP teams dispatched.
- ◆ Require RP teams to REPEAT BACK instructions/information
- ◆ Keep teams in the field current on changing plant conditions
- ◆ Request RP personnel to stay in their assigned area
- ◆ Ensure all Inplant Survey Teams are being tracked on the OSC Status Board

OSC RP Shift Supervisor

Page 2 of 3

____ Assure all shift personnel reporting to the OSC have ED's and have logged into the Electronic Dose Capture system.

NOTE: IF EDC system is unavailable, dose cards are to be utilized.

RWP numbers for drills/emergencies are as follows:

- 33 for plant personnel
- 98 for Field Monitoring Teams.

____ Review radiation monitoring system using SDS for indication of radiological activity.

____ Provide continuing updated radiological data to:

- ◆ OSC Manager until relieved by the Radiation Protection Manager
- ◆ Radiation Protection Manager

____ Ensure radiological data is reported back to the OSC in an expeditious manner for planning and prioritizing further emergency response activities.

____ Provide radiological technical assistance with applicable portions of the OSC Team Briefings.

____ Complete applicable radiological portion of Task Worksheet for other teams being dispatched from the OSC.

____ Establish a priority system for count room samples.

NOTE: • Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.

- Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

OSC RP Shift Supervisor

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.5.1
 OSC Personnel Log
 RADIATION PROTECTION

RP/0/A/1000/025
 Page 1 of 3

Minimum Staffing Levels for Required OSC RP Personnel

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

Date/Time Event Declared: _____ / _____

PRIMARY			RELIEF	
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)	
ON-SHIFT RESPONDERS - REQUIRED				
RP Shift/Techs (Minimum of 3)			N/A	
45-MINUTE RESPONDERS - REQUIRED				
RP Techs (2 additional)				
75-MINUTE RESPONDERS - REQUIRED				
RPs (6 additional RPs required within 75 minutes of emergency declaration)				

NOTE; RP Technicians may be staffed by RP Supervisors

(Continued on next page)

Enclosure 4.5.1

RP/0/A/1000/025

OSC Personnel Log
RADIATION PROTECTION

Page 2 of 3

Minimum Staffing Levels for Required OSC RP Personnel (cont)

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

PRIMARY			RELIEF	
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)	
75 MINUTE RESPONDERS - REQUIRED				
FMT (4 additional)				
2 RP Techs				
2 Drivers				

Submit completed form to OSC Log/Status Keeper.

Enclosure 4.5.1
OSC Personnel Log
RADIATION PROTECTION

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Page 3 of 3

DATE: _____

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT OSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
75 MINUTE DESIRED OSC RP PERSONNEL							
RP Manager							
OSC RP Assistant							
RP Dose Control							
RP Supervisor (RP Shift Supervisor or S&C Supervisor)							

Enclosure 4.6
Nuclear Supply Chain

RP/0/A/1000/025
Page 1 of 4

Date: _____

NSC Liaison: _____

1. Nuclear Supply Chain

____ 1.1 Upon reporting to the OSC do the following:

- ____ • Sign in on the OSC Personnel Status Board
- ____ • Put on position badge
- ____ • Log in on the OSC Personnel Log Sheet
- ____ • List shift relief coverage

____ 1.2 Establish contact with lead individuals/essential personnel and ensure 24 hour coverage for emergency response as follows:

Position	Phone Number	Contact Name	Shift-Relief Name
OSC/NSC Liaison	864-873-3085	_____	_____
EOF/Services Manager	704-382-0728	_____	_____
NSC Material Issue	864-873-2256	_____	_____
SSG Commissary	864-873-4523	_____	_____
NSC Evacuation Coordinator	864-873-3147 or 864-873-2256	_____	_____
SSG Evacuation Coordinator	864-873-4515	_____	_____
SSG Emergency Response Manager	864-873-4523	_____	_____

____ 1.3 **IF** site evacuation is required, THEN obtain from the NSC and SSG Evacuation Coordinators employee names and ID numbers of essential personnel remaining on site and provide those names and IDs to the OSC RP Manager.

2. Completion of Site Assembly

_____ 2.1 When announcement is made that employees not involved with emergency/drill may return to normal work assignments, perform the following:

_____ 2.1.1 Call 864-873-5353 for the bus to start its route.

NOTE: An alternate route may need to be taken if there is a radiological concern.

_____ 2.1.2 **IF** food/drink is requested by the OSC Manager, THEN check with RP Manager on proper routes to follow to ensure there is a clear path for Commissary personnel to deliver food/drinks.

_____ 2.1.3 **IF** food/drink is requested by the OSC Manager, THEN perform the following:

A. Call the Nuclear Health and Safety duty person (duty pager 864-779-6400).

NOTE: An alternate route may need to be taken if there are safety concerns (e.g. chlorine leak, etc.)

B. Determine the proper routes to follow to ensure there is a safe clear path for Commissary personnel to deliver food/drinks(normal route).

_____ 2.1.4 After ensuring safe, clear path, (or if instructed by the OSC Manager) make contact to have food/drinks provided for participants at the TSC/OSC/SIMULATOR and other essential personnel located on site:

SSG Commissary: 864-873-4523 _____

Contact Name

_____ 2.1.5 Contact EOF Services if additional transportation or equipment (e.g. heavy lift helicopters) for evacuation of site personnel is needed.

A. Ensure Nuclear Maintenance Support equipment operator availability:

- EOF Services Manager 704-382-0728

_____ Contact Name

_____ 2.1.6 Notify the OSC Manager if there is a need to use non-ERO personnel to support OSC operations.

A. Provide names to the OSC Manager who will give authorization to allow personnel entry into OSC.

Enclosure 4.6
Nuclear Supply Chain

RP/0/A/1000/025
Page 3 of 4

3. After termination of drill/event:

- _____ 3.1 Contact all the following groups informing them when the drill/event is terminated.
- NSC Materials Issue
 - SSG Emergency Response Manager
 - NSC/SSG Evacuation Coordinators

4. Communications to the on site SSG Manager (located at Complex)

- _____ 4.1 Contact on site SSG Manager for the following:
- Appendix "R" scenarios, provide equipment as required per NSC Directive, SCD 110.

NOTE: A loss of offsite communications capabilities (DEMNET) 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.

- _____ 4.2 Ensure Telecommunications Group is rerouting the Oconee Fiber Optic Network through Bad Creek as support for Keowee Dam failure event.

NOTE: The following bridges are/may be impassible: Hwy 123-76, Hwy 93, Hwy. 183, Lawrence Ramsey Bridge, and SE 37-149 (near JP Stevens Plant)

- _____ 4.3 Ensure heavy equipment (e.g. earth moving/dump truck, etc.) is enroute to Oconee.
- _____ 4.4 Locate/acquire additional transportation (e.g. heavy lift helicopters) for site personnel.
- _____ 4.5 Ensure heavy equipment and personnel are on standby to move kontek barrier should site evacuation be required - this is necessary to prevent delay.

5. Activation of Alternate Emergency Response Facility (ERF) OSC

- _____ 5.1 Alternate OSC location is in Room 316 of the Oconee Office Building
- _____ 5.2 Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.
- _____ 5.3 Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building mechanical equipment room.

6. Reminder:

- _____ 6.1 If questions, problems, or suggestions develop from this drill, please return a copy of this form along with your comments to the site TSC Emergency Planner for evaluation/resolution(s).

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical II Assistant transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

1. Security

Name: _____ Date: _____

Upon Arrival at the OSC

- _____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.
- _____ Establish contact with the "Duty" Captain/Lieutenant /Shift Support Officer (Capt./Lieut./SSO) and determine current status of Security and MERT activities, search and rescue efforts, Security reportability issues, etc.
- _____ Evaluate known status of radiological conditions with RP Manager in the OSC to determine if there are areas which should be avoided by Security officers.
- _____ Determine location of all Security personnel currently posted/patrolling protected/owner controlled area and evaluate need to relocate personnel and/or suspend patrols in areas which present a safety or radiological hazard.
- _____ When ERO activation has occurred **AND** this is an actual event:
 - ☐ Access MERT availability from the OSC and availability of nurses in the Medical Unit, extension 864-873-4652.
 - ☐ Determine the need for additional MERT resources and get approval from OSC Manager to perform this call back.
- _____ Complete an "OSC Task Worksheet" for any on-going Security activity (e.g., Owner Controlled Area Checkpoints, Search and Rescue efforts, MERT response, Security Patrols in progress, etc.).
- _____ Establish 24 hour staffing of the OSC and evaluate need to recall additional officers to augment ongoing and expected Security activities.
- _____ Establish contact with the Security representative at the Joint Information Center to evaluate need to recall officers to assist in ingress control. Call JIC News Manager at 864-624-4362 or 864-624-5388 and ask for Security person.
- _____ Establish contact with Security Shift Supervisor and identify "essential" Security personnel.
- _____ Have NSC group on standby with forklift to remove kontex barriers where necessary for site relocation/evacuation. This is necessary to prevent delay.

OSC Security Responsibilities

- _____ "Repeat Back" instructions/information received during OSC operations.
- _____ Complete an "OSC Task Worksheet" for ongoing Security/MERT activities.
- _____ Provide OSC Manager with periodic status updates of Security/MERT activities.
- _____ Maintain continuous awareness of radiological conditions in the field with RP personnel in the OSC.
- _____ Maintain continuous knowledge of location of Security Officers, Security patrols and MERT personnel in the field via communication with the Captain/Lieutenant/Shift Support Officer.
- _____ Coordinate response to Security contingencies, on-going Security patrols, etc. with the Capt./Lieut./SSO.
- _____ Provide periodic status updates to the Capt./Lieut./SSO.
- _____ Maintain periodic contact with the Security representative at the JIC. Call News Manager at 864-624-4362 or 864-624-5388 and ask for Security person.
- _____ If evacuation is required, coordinate Security assistance with RP personnel in the OSC. Coordinate entry of non-ERO personnel into the site owner controlled area with the Capt./Lieut./SSO.
- _____ Evaluate radiological conditions with RP personnel in the OSC prior to dispatching Security/MERT personnel in the field and ensure that personnel are briefed as required by completion of the "OSC Task Worksheet".
- _____ Ensure that Security provides expeditious assistance to teams dispatched from the OSC.
- _____ Provide Security participation for OSC Major Damage Assessment Team.

Activation of the TSC/OSC Alternate Emergency Response Facility (ERF)

- NOTE:**
- Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.
 - Phones for the Alternate OSC are located in the 3rd floor Mechanical Equipment Room.

- _____ Ensure that the ground level lobby doors to the Oconee Office Building are unlocked.
- _____ Ensure that the Alternate TSC/OSC location (OOB room 316) is unlocked.
- _____ Ensure that the Oconee Office Building 3rd floor Mechanical Equipment Room is unlocked and chain surrounding ladder is removed (Security Miscellaneous Key #15).
- _____ Ensure that the Capt./Lieut./SSO is aware of relocation to the Alternate TSC and/or OSC.

MERT Response

- _____ Evaluate Radiological Conditions with RP personnel in the OSC.
- _____ Evaluate Security staffing requirements with the Capt./Lieut./SSO.
- _____ Provide periodic updates of MERT situation to the OSC Manager, and the Capt./Lieut./SSO.
- _____ If applicable, ensure Security is aware of the pending arrival of an ambulance.
- _____ If ambulance has been called and will be entering the protected area arrange, as necessary, for suspension of Security measures.
- _____ If MERT patient is to be transported to a hospital, notify OSC Manager.

Evacuation or Relocation of Site Personnel

- _____ Plan evacuation/relocation routes with RP personnel in the OSC.
- _____ Notify the Capt./Lieut./SSO of pending evacuation/relocation.
- _____ If relocation of personnel is planned, coordinate obtaining the keys to evacuation centers for Radiation Protection or other designated personnel (Keys are maintained in the Security Key Cabinet located in the Unit #3 Control Room.)
- _____ Provide periodic status updates to the OSC Manager on the progress of the evacuation.

Emergency Event Terminated

- _____ Notify the Capt./Lieut./SSO that the event has been terminated and assist in coordinating a return to normal Security operations.
- _____ Contact the Security representative at the JIC and coordinate resolution of any unresolved security issues.
- _____ Ensure that Security personnel scheduled to fulfill 24 hour staffing are notified that the event has been terminated.
- _____ "Close Out" OSC Task Worksheets generated by Security.
- _____ Complete, as applicable, response procedures that were used by Security.

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.8
Engineering

RP/0/A/1000/025
Page 1 of 2

Name: _____ Date: _____

_____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.

_____ **REPEAT BACK** instructions/information received during OSC operations.

_____ Provide Engineering support to the OSC.

_____ Ensure Engineering personnel sent to areas in the plant for response are provided a radio for their use.

_____ Ensure 24-hour staffing is in place.

- NOTE:**
- Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.
 - Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

_____ Coordinate with Engineering Section Manager, Per EM 5.1 Step 5.2.3, and determine the essential Engineers that will remain on site to assist in the mitigation of the emergency event should an evacuation occur. This list should be given to the OSC RP Manager giving name and employee ID number. {12}

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy to WC Technical Assistant I for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.9
Maintenance Manager

RP/0/A/1000/025
Page 1 of 2

Name: _____ Date: _____

- _____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.
- _____ **REPEAT BACK** instructions/information received during OSC operations.
- _____ Request additional assistance from the opposite discipline to assist in the OSC if needed.
- _____ Assign Task Worksheet to the appropriate FIN24 Team Supervisor.
- _____ Check with RP Manager to determine if RP support will be required for each Maintenance task team dispatched from the OSC.
- _____ Maintain communication with FIN24 Team Supervisors as to status of Maintenance teams in the field.
- _____ Check all completed Task Worksheets to assure they are properly completed.
- _____ Provide information to OSC Manager relative to team availability.
- _____ Prioritize tasks that need to be completed.
- _____ Ensure 24-hour staffing is in place for Maintenance should evacuation of non-essential personnel be required by discussing staffing needs with the Maintenance Evacuation Coordinator.

<p>NOTE:</p> <ul style="list-style-type: none">• Emergency Telephone Directory has an arrangement drawing for the Alternate OSC.• Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

The Alternate Emergency Response Facility (ERF) location for OSC is in Room 316 of the Oconee Office Building.

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
 - ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager

Enclosure 4.10
FIN24 Team Supervisor

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Name: _____ Date: _____

_____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.

_____ **REPEAT BACK** instructions/information received during OSC operations.

_____ Provide accountability for team members.

NOTE: A total of seven (7) FIN24/Maintenance personnel must be available to support the OSC within 75 minutes of emergency declaration. {2}

_____ Call back additional personnel if less than 4 (I&E) and 3 (MM) are available to support the OSC.

- Bring in an additional person (if needed) to handle monitoring of FIN24 teams in the field

_____ Assign a FIN24 team member to monitor FIN24 teams in the field from the Briefing/Debriefing OSC Room.

NOTE: If EDC system is unavailable, dose cards are to be utilized. RWP number for drill/emergencies is 33.

_____ Ensure all team members have EDs and have logged onto the EDC system.

_____ Assist in setting up the Primary OSC.

_____ Develop OSC Task Worksheets for each task assigned by Operations prior to full activation of OSC.

_____ Provide availability of FIN24 Fire Brigade Members to Operations OSC Liaison. {1}

_____ Assure all hand-held radios have fresh batteries.

_____ Determine if RP coverage is required for the team being dispatched.

_____ Notify the OSC Manager of the need to use non qualified personnel to support OSC operations.

_____ Provide the names of non qualified personnel to the OSC Manager.

_____ Turn over jobs completed or in the field when the Work Control OSC Manager reports to the OSC. (Page 3 of 4) of this enclosure.

Enclosure 4.10
FIN24 Team Supervisor

RP/0/A/1000/025
Page 2 of 4

- _____ Assign a radio to any Maintenance team leaving from the OSC. Two-way communication with the OSC is a requirement.
- _____ Provide changing plant status to teams in the field.
- _____ Determine if Maintenance team members have current respiratory training by checking respiratory training printout located in the RP Briefing Room.
- _____ Assist in setting up the Alternate OSC/TSC located in Room 316/316 in the Oconee Office Building as follows:

NOTE:

- Emergency Telephone Directory has an arrangement drawing for the Alternate TSC and OSC.
- Phones for the Alternate OSC are located in the 3rd floor of the Oconee Office Building Mechanical Equipment Room.

- _____ If the Alternate TSC/OSC are required to be set up at the front end of an emergency/drill, then utilize Step 3.6 of this procedure for additional instructions.

1. OSC Manager Turnover Sheet

____ 1.1 List plant status and major equipment out of service prior to event:

Unit 1 _____

Unit 2 _____

Unit 3 _____

Other _____

____ 1.2 Describe initiating event and initial classification:

____ 1.3 Describe any event classification escalations.

____ 1.4 Review current plant status.

____ 1.5 Review OSC ACTIVITY board. List key tasks that have been completed and removed from the board.

____ 1.6 Summarize any OSC staffing deficiencies.

____ 1.7 Summarize OSC equipment/communications status.

____ 1.8 Summarize Site Assembly/Evacuation status.

____ 1.9 Review OSC Log entries.

____ 1.10 Other Items: _____

FIN24 Team Supervisor

OSC Manager

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.10.1
OSC Personnel Log
FIN24 Team

RP/0/A/1000/025
Page 1 of 3

Minimum Staffing Levels for Required OSC Maintenance Personnel

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

Date/Time Event Declared: _____ / _____

PRIMARY			RELIEF	
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)	
ON-SHIFT RESPONDERS REQUIRED				
Mechanical Maintenance(2)			N/A	
I&E Technicians (2)				
75 MINUTE RESPONDERS REQUIRED				
Mechanical Maintenance(1)				
I&E Technicians (2)				

NOTE: I&E/Maintenance Technician position can be staffed by FIN24 supervisor

Submit completed form to OSC Log/Status Keeper.

Enclosure 4.10.1
OSC Personnel Log
FIN24 Team

RP/0/A/1000/025
Page 2 of 3

Date: _____

PRIMARY					RELIEF		
POSITION	NAME (Last, First, MI)	EMPLOYEE ID	TIME IN AT OSC	SHIFT SCHEDULE	NAME (Last, First, MI)	EMPLOYEE ID	SHIFT SCHEDULE
75 MINUTE DESIRED OSC MAINTENANCE PERSONNEL							
FIN24 Team Supervisor							
OTHER ESSENTIAL MAINTENANCE PERSONNEL							
I&E Technicians							
Mechanical Maintenance							

Enclosure 4.10.1
OSC Personnel Log
FIN24 Team

RP/0/A/1000/025
Page 3 of 3

Date: _____

[illegible]

Name: _____ Date: _____

NOTE: The Chemistry temporary supervisor will serve as Chemistry Manager and Chemistry Single Point of Contact on backshift, weekends and holidays until relieved by the duty Chemistry Manager.

- _____ Complete the OSC Chemistry Personnel Log, Enclosure 4.11.1.
- _____ Ensure 24 hour staffing is set up.
- _____ If drill/emergency occurs on backshift, weekends, or holidays, account and report for all Chemistry personnel onsite during a site assembly.
- _____ If drill/emergency occurs during normal dayshift hours, account for all Chemistry ERO responders to OSC to Chemistry Admin Specialist.

NOTE:

- Dose cards will be used if EDC is unavailable.
- Drawings of room layout are in the Emergency Telephone Directory.

- _____ Ensure Chemistry has required personnel in the OSC
- _____ Enter the names on the OSC position/status board.
- _____ Ensure all Chemistry team members have EDs and have logged onto the EDC system under RWP #33.
- _____ Ensure all Chemistry team members put on position badges.
- _____ Determine if Chemistry team members have current respiratory training by checking respiratory print out in RP Briefing Room.
- _____ Provide availability of Chemistry Fire Brigade members to the Operations OSC Liaison.
- _____ Assist in setting up the Alternate OSC located in Room 316 in the Oconee Office Building if Alternate OSC is activated.
- _____ Ensure OSC Manager is informed of current status of Chemistry areas of responsibilities and any Chemistry emergency response activities prior to OSC activation.
- _____ Provide names of any non-ERO Chemistry personnel to support OSC operations to the OSC Manager.
- _____ Chemistry Manager or designee should conduct an initial pre-job with Chemistry Team using CSM 5.1 as guidance as soon as practical after OSC is activated.

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.11.1
OSC Personnel Log
Chemistry

RP/0/A/1000/025
Page 1 of 2

Minimum Staffing Levels for Required OSC Chemistry Personnel

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

Date/Time Event Declared: _____ / _____

PRIMARY			RELIEF		
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)		
ON SHIFT RESPONDERS - REQUIRED					
Chemistry Shift/Tech			N/A		
75 MINUTE RESPONDERS - REQUIRED					
Chemistry Shift/Tech					

Submit completed form to OSC Log/Status Keeper.

Enclosure 4.11.1
OSC Personnel Log
Chemistry

RP/0/A/1000/025
Page 2 of 2

DATE: _____

[illegible]

Enclosure 4.12
Operations OSC Liaison (Duty Person)

RP/0/A/1000/025
Page 1 of 4

Name: _____ Date: _____

- _____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.
- _____ **REPEAT BACK** instructions/information received during OSC operations.
- _____ Ensure all Operations personnel reporting to the OSC have signed in on the Operations OSC Personnel Log.
- _____ Establish communications with the Control Room, Superintendent of Operations, the Operations OSC Team SRO via the Operations Headset System. Operations Bridge number is 4908.
- _____ Request plant status updates through the Operations Headset System.
- _____ Log-On to the OAC/PMCSDS system for plant information.

NOTE: • The Fire Brigade is dispatched from the OSC as a Time Critical Task. {1}

 • Security SAS will answer all 4911 calls in conjunction with Operations personnel and will coordinate ALL MERT calls, unless under the pressure of a Security event, then Operations will handle MERT event.

- _____ Identify non-Operations Fire Brigade members in the OSC (FIN, RP and Chemistry). {1}.
- _____ When OSC is activated Operations will answer all 4911 calls into OSC.
- _____ Operations will handle all calls except MERT - OSC SRO.
- _____ Operations will coordinate fire and hazmat support with FIN24, RP, and Chemistry with Operations - OSC SRO.
- _____ Operations will coordinate all Hydro/Dam events with the SM/TSC Emergency Coordinator.
- _____ Provide OSC Task Worksheet for any teams dispatched by Operations (this includes Fire Brigade) from the OSC.
- _____ Support the OSC Manager by providing information concerning the priority of jobs in the field.
- _____ Provide plant status information to OSC Manager.
- _____ Keep Keowee Hydro personnel informed of plant status for evacuation purposes.
- _____ Provide Operations advice to support the entire OSC (including Briefing Teams as needed).

Enclosure 4.12
Operations OSC Liaison (Duty Person)

RP/0/A/1000/025
Page 2 of 4

_____ Keep Operations personnel updated on work in the field via the Operations Headset System.

_____ Ensure 24-hour staffing is in place for Operations should evacuation of non-essential personnel be required. Provide a list of Operations personnel remaining onsite (but not in the TSC or OSC) should evacuation occur. This list can be given to the OSC RP Manager giving name, location, and employee ID number.

NOTE: The following step is to be completed after OSC activities have been terminated.

_____ Log off OAC/PMC/SDS by closing all open applications and shutting down the computer.

NOTE:

- Drawings are in the Emergency Telephone Directory showing the arrangement of the Alternate OSC.
- Phones for the Alternate OSC are found in the cabinet located in the 3rd Floor Mechanical Equipment room of the Oconee Office Building.

_____ Assist in setting up the Alternate OSC located in Room 316 in the Oconee Office Building.

_____ **IF** incoming call is received on Emergency Line (4911)

_____ **THEN** complete the OSC 4911 Emergency Line Checklist for each call

_____ Notify Security in the OSC to activate MERT. (RP/0/A/1000/016)

_____ Notify Operations to activate Fire Brigade. (RP/0/A/1000/029)

_____ Notify Operations to report Keowee Hydro Imminent Failure or Potential Failure dam conditions to the OSM/TSC Emergency Coordinator and EOF Director

_____ Provide chemical spill information to Operations AND on call Nuclear Health and Safety duty personnel. (RP/0/A/1000/017)

OSC 4911 EMERGENCY LINE CHECKLIST

Date _____ Time _____

1. What is the Name of the caller? _____

What number can the caller be reached at? _____

NOTE: TELL CALLER NOT TO HANG UP PHONE UNTIL RELEASED

2. What is the nature of the emergency?

Fire _____ Medical _____ Spill _____ Other _____

3. Are there any injured people _____

4. What is the location where the emergency has occurred?

5. Are people in the immediate area in danger? Yes _____ No _____

If YES, have caller alert the people & get them moved to a safe area without putting themselves in danger.

6. What equipment is affected by the emergency? _____

FIRE: Dispatch Fire Brigade per RP/0/A/1000/029**MEDICAL: Have OSC Security Manager dispatch Security MERT per RP/0/A/1000/16****SPILLS: Dispatch Fire Brigade per RP/0/A/1000/017****SPILLS: Have Nuclear Health and Safety Personnel initiate RP/0/A/1000/017**7. *For spills:*

What is the material spilled? _____

*If the spilled material is ammonia gas, ammonia liquid, chlorine gas or hydrazine, have all people in the immediate area relocated to areas uphill and upwind of the spill.*Has the spilled material reached a body of water or has the potential for reaching a body of water? Yes ___ No ___

Completed by (your name): _____

TASK WORKSHEET INSTRUCTIONS

NOTE: Operations Task Leader can be considered as group manager and may sign Step 9 of OSC Task Worksheet.

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow copy for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.13
Operations - OSC SRO

RP/0/A/1000/025
Page 1 of 2

Name: _____ Date: _____

- _____ **SIGN** in on the OSC Personnel Status Board, **SIGN** OSC Personnel Log and **PUT ON** position badge.
- _____ **REPEAT BACK** instructions/information received during OSC operations.
- _____ Assure all hand-held radios have fresh batteries.

NOTE: If EDC system is unavailable, dose cards are to be utilized. RWP number for drill/emergencies is 33.

- _____ Ensure all Operations team members have ED's and have logged onto the EDC system.
- _____ Develop OSC Task Worksheets for each task assigned by Operations.
- _____ Coordinate team dispatch to assure RP is or is not required.
- _____ Turn over jobs completed or in the field when the Work Control OSC Manager reports to the OSC.
- _____ Assign a radio to any Operations team leaving from the OSC. Two-way communication with the OSC is a requirement.
- _____ Provide changing plant status to teams in the field.
- _____ Determine if Operations team members have current respiratory training by checking respiratory training printout located in the RP Briefing Room.

NOTE The Fire Brigade is dispatched from the OSC as a Time Critical Task. {1}

- _____ Inform personnel who are Fire Brigade members and assigned to Operations tasks whether they are to respond to a Fire Brigade activation if it should occur during the performance of tasks.
- _____ Identify Operations Fire Brigade personnel in the OSC. {1}
- _____ Utilize Enclosure 4.2, Fire Brigade Response - OSC/TSC Activation, of RP/0/A/1000/029, Fire Brigade Response, when prompted by Operations OSC Liaison.

NOTE:

- Drawings are in the Emergency Telephone Directory showing the arrangement of the Alternate OSC.
- Phones for the Alternate OSC are found in the cabinet located in the 3rd Floor Mechanical Equipment room of the Oconee Office Building.

- _____ Assist in setting up the Alternate OSC located in Room 316 in the Oconee Office Building.

TASK WORKSHEET INSTRUCTIONS

- ◆ Ensure sufficient job details are covered using a Task Worksheet for guidance.
- ◆ OSC Manager assigns a task to the appropriate discipline manager after receiving information from Operations or the TSC.
- ◆ Appropriate discipline manager writes on the form the task number, the task to be performed and identifies the Task Leader.
- ◆ Task Leader should complete the Task Worksheet with detailed task information and determine RP support requirements.
- ◆ Task Leader should hold briefing with team members before they go out and ensure that original Task Worksheet (white copy) is taken to the field with the team.
- ◆ Task Leader provides yellow copy of task sheet to WC Technical Assistant II when team leaves OSC.
- ◆ WC Technical Assistant II transfers information from the yellow copy of Task Worksheet to the OSC Status Board (WebEOC or copy board) and files yellow for tracking teams in the field.
- ◆ Task Leader shall return the completed Task Worksheet (white copy) to appropriate discipline manager for review when the team returns from the field.
- ◆ Appropriate discipline manager returns Task Worksheet (white copy) to WC Technical Assistant II to document task completion on the OSC Status Board.
- ◆ WC Technical Assistant II attaches original white copy to yellow copy and files.

TEAM DISPATCH

- ◆ Teams will be dispatched from the OSC RP Briefing Room.
- ◆ Teams will return completed Task Worksheet to the Task Leader where feedback about the completed task will take place.
- ◆ Task Leader will review the completed Task Worksheet (white copy) to assure the worksheet has been correctly completed.
- ◆ Task Leader will provide the completed Task Worksheet (white copy) to appropriate discipline manager.

Enclosure 4.13.1
 OSC Personnel Log
 Operations

RP/0/A/1000/025
 Page 1 of 3

Minimum Staffing Levels for Required OSC Operations Personnel

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

Date/Time Event Declared: /

PRIMARY			RELIEF	
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)	
ON/SHIFT RESPONDERS - REQUIRED				
OPS OSC Supervisor (Nuclear Shift Supv)			N/A	
Auxiliary Operators - NLO				
FB Lead (SRO/NLO)				
Fire Brigade Member (NLO)				
Fire Brigade Member (FIN,RP,Chem,Sec)				
75 MINUTE RESPONDERS - REQUIRED				
Radwaste Operator				

Submit completed form to OSC Log/Status Keeper.

Enclosure 4.13.1
OSC Personnel Log
Operations

RP/0/A/1000/025
Page 2 of 3

Date: _____

[illegible]

Enclosure 4.13.1
OSC Personnel Log
Operations

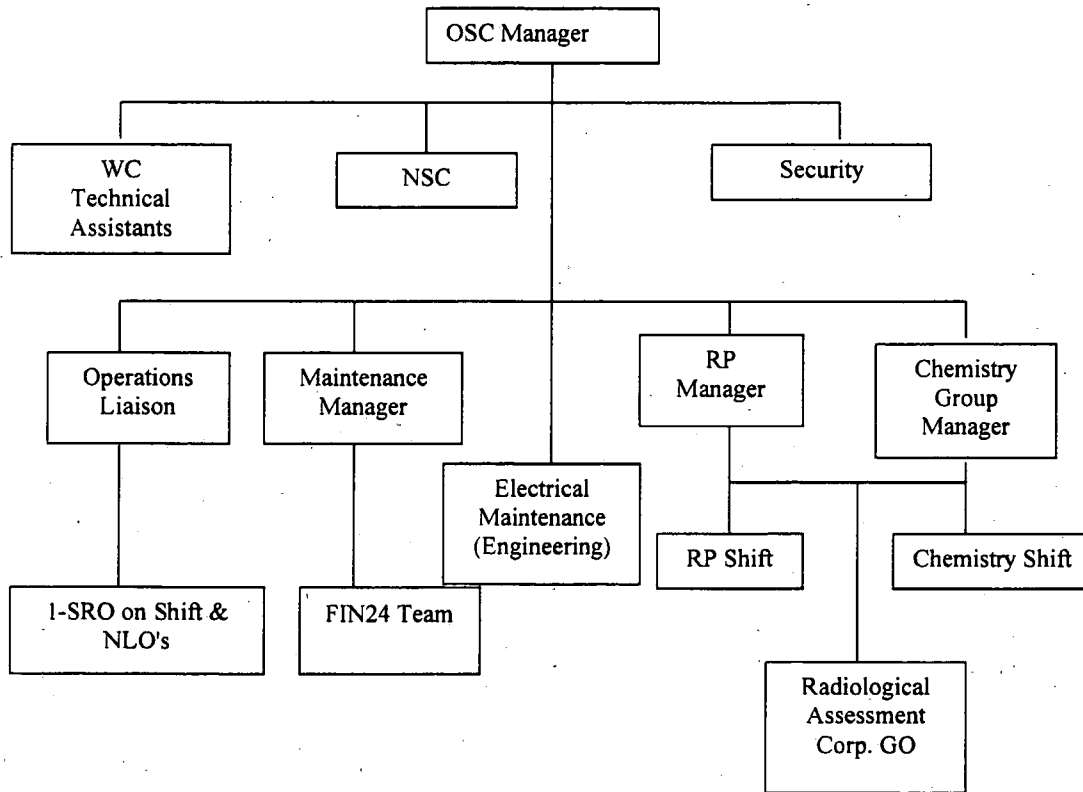
RP/0/A/1000/025
Page 3 of 3

DATE: _____

[illegible]

Enclosure 4.14
Operational Support Center Organization
Chart

RP/0/A/1000/025
Page 1 of 1



Enclosure 4.14.1
OSC Personnel Log

RP/0/A/1000/025

Page 1 of 2

Minimum Staffing Levels for Required OSC Personnel

NOTE: 24 Hour Staffing Relief is **NOT** needed for the activation of the facility.

Date/Time Event Declared: _____ / _____

PRIMARY			RELIEF	
POSITION	NAME (Last, First, MI)	TIME IN AT OSC	NAME (Last, First, MI)	SHIFT SCHEDULE
75 MINUTE RESPONDERS: REQUIRED				
Engineering Electrical				

Submit completed form to OSC Log/Status Keeper.

Enclosure 4.15
Reference

RP/0/A/1000/025
Page 1 of 1

Reference:

- {1} PIP 02-04907
- {2} PIP O-03-01131
- {3} PIP O-06-4583
- {4} PIP O-06-5898
- {5} PIP O-07-1590
- {6} PIP O-11-3079
- {7} PIP O-10-7817
- {8} PIP O-12-1590
- {9} PIP G-11-1389
- {10} PIP O-12-3002
- {11} PIP C-12-3794
- {12} PIP O-13-1765
- {13} PIP O-13-7716
- {14} PIP O-14-2211
- {15} PIP O-13-15223

**Enclosure 4.16
OSC Task Work Sheet**

RP/0/A/1000/025
Page 1 of 1

Task/Team # _____ Time Critical (circle) Yes or No DATE: _____ / _____ / _____

1 TASK/TEAM MANAGER _____ WORK GROUP _____

<input type="checkbox"/> TEAM IN FIELD PRIOR TO RESPONDING TO OSC	<input type="checkbox"/> TEAM BEING DISPATCHED FROM OSC
TASK DESCRIPTION: _____	
TASK LOCATION: _____ UNIT(s) _____	
COMPONENT: _____ TRAIN _____	

2 OSC MANAGER APPROVAL: _____

3 TASK/TEAM LEADER OSC Call Back Phone # _____

○ (Signature)

1. Call OSC upon arrival at job location.
2. Call as necessary or as requested by Team Manager thereafter.

Task/Team	Name	Work Grp.	TEDE	General Task Checklist:		
Leader				<table border="1" style="width:100%"> <tr> <td style="width:50%"> <input type="checkbox"/> 1. Safety Briefing <input type="checkbox"/> 2. Plant Status <input type="checkbox"/> 3. Procedure Req'd? <input type="checkbox"/> 4. Route/Path to Location? <input type="checkbox"/> 5. Dose Extensions Req'd? <input type="checkbox"/> 6. Respirators/Anti-Cs? <input type="checkbox"/> 7. Shielding Needed? <input type="checkbox"/> 8. Door Key Req'd? </td> <td style="width:50%"> <input type="checkbox"/> 9. Radio Needed? <input type="checkbox"/> 10. Confined Space? <input type="checkbox"/> 11. Breathing Air Available? <input type="checkbox"/> 12. Power Available? <input type="checkbox"/> 13. Mobile Equipment Req'd? <input type="checkbox"/> 14. Ladder/Scaffold Req'd? <input type="checkbox"/> 15. Supply Personnel Contacted? </td> </tr> </table>	<input type="checkbox"/> 1. Safety Briefing <input type="checkbox"/> 2. Plant Status <input type="checkbox"/> 3. Procedure Req'd? <input type="checkbox"/> 4. Route/Path to Location? <input type="checkbox"/> 5. Dose Extensions Req'd? <input type="checkbox"/> 6. Respirators/Anti-Cs? <input type="checkbox"/> 7. Shielding Needed? <input type="checkbox"/> 8. Door Key Req'd?	<input type="checkbox"/> 9. Radio Needed? <input type="checkbox"/> 10. Confined Space? <input type="checkbox"/> 11. Breathing Air Available? <input type="checkbox"/> 12. Power Available? <input type="checkbox"/> 13. Mobile Equipment Req'd? <input type="checkbox"/> 14. Ladder/Scaffold Req'd? <input type="checkbox"/> 15. Supply Personnel Contacted?
<input type="checkbox"/> 1. Safety Briefing <input type="checkbox"/> 2. Plant Status <input type="checkbox"/> 3. Procedure Req'd? <input type="checkbox"/> 4. Route/Path to Location? <input type="checkbox"/> 5. Dose Extensions Req'd? <input type="checkbox"/> 6. Respirators/Anti-Cs? <input type="checkbox"/> 7. Shielding Needed? <input type="checkbox"/> 8. Door Key Req'd?	<input type="checkbox"/> 9. Radio Needed? <input type="checkbox"/> 10. Confined Space? <input type="checkbox"/> 11. Breathing Air Available? <input type="checkbox"/> 12. Power Available? <input type="checkbox"/> 13. Mobile Equipment Req'd? <input type="checkbox"/> 14. Ladder/Scaffold Req'd? <input type="checkbox"/> 15. Supply Personnel Contacted?					
Members:						

Pre-Job Briefing Comments: After task completion, notify Task/Team Mgr. and report to debriefing area in the OSC.

4 RP Information: RWP# _____ RP Coverage (circle yes or no)

RP Approval: _____ (Signature)

5 DRC (RP) (if required) _____ (Signature)

TIME OUT: _____ TIME IN: _____

Distribute Copies: White - Team Manager Yellow - OSC Log keeper Pink - Team Leader

6 TASK/TEAM MANAGER

Post-Job Briefing Conducted By: _____ DATE/TIME: _____

Detailed Summary of Work Performed: _____

****AFTER TASK COMPLETION, RETURN COMPLETED ("white copy") OSC TEAM WORK SHEET TO OSC LOGKEEPER****

EMERGENCY PLAN CHANGE SCREENING AND
EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)

AD-EP-ALL-0602

Rev. 1

ATTACHMENT 4

Page 1 of 13

<< 10 CFR 50.54(q) Screening Evaluation Form >>

Screening and Evaluation Number		Applicable Sites	
EREG #: 02092746		BNP	<input type="checkbox"/>
		CNS	<input type="checkbox"/>
		CR3	<input type="checkbox"/>
		HNP	<input type="checkbox"/>
5AD #: 02092728		MNS	<input type="checkbox"/>
		ONS	<input checked="" type="checkbox"/>
		RNP	<input type="checkbox"/>
		GO	<input type="checkbox"/>
Document and Revision RP/0/A/1000/025 Rev 7		Operational Support Center Manager Procedure	

Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan): Controlling PRR 02027500

#	Page /Section	Current	Proposed Change
1.	Cover	Revision No. 006	Revision No. 007
2.	1.1 Note 2.11 3.6 3.6.1 3.6.2 Note 3.6.3 Note 3.6.3 5th, 11th bullet 3.6.4 3.6.5 Encl 4.1(3x's) Encl 4.2(3x's) Encl 4.3(4x's) Encl 4.4(3x's) Encl 4.5(3x's) Encl 4.6(4x's) Encl 4.7(5x's) Encl 4.10(3x's) Encl 4.11(2x's) Encl 4.12(3x's)	...Backup Emergency Response Facility....	...Alternate Emergency Response Facility
3.	Step 2 Note old 2.4 (2x's) 2.13 Note step 2.13	SPOC	FIN24

<< 10 CFR 50.54(q) Screening Evaluation Form >>

	step 2.13.1 (2x's) step 2.13.2 step 2.13.3 step 3.7 Enclosures 4.10 title 4.10.1 title Encl 4.9(2x's) Encl 4.10(9x's) Encl 4.12(2x's)			
4.	Section 2 Note	Actions in Sections 2.0 and 3.0 are not required to be followed in any particular sequence.	This procedure is NOT required to be followed in step-by-step sequence. Sections of the procedure are to be implemented, as the applicable action becomes necessary	
5.	old step 2.3 renumbered substeps 2.2 - 2.7	Remove clip from procedure and request each manager to secure the appropriate enclosure for their response	<i>deleted</i>	
6.	p.3 old step 2.6 new step 2.5	Assure the below listed shift groups are present and ready to assist in the OSC:	Make an announcement that the following groups have required positions and should submit completed minimum staffing level forms to the OSC Log/Status Keeper: Operations <i>see 1-31-12</i> <ul style="list-style-type: none"> • Radiation Protection (Encl. 4.5.1) • Maintenance (Encl. 4.10.1) • Chemistry (Encl. 4.11.1) • Operations (Encl. 4.13.1) • Engineering (Encl. 4.14.1) 	
7.	p.4 old 2.6.1 new 2.5.1	2.6.1 Consider the OSC operational when the below listed shift groups report to the OSC and accountability has been achieved. Record the time in the OSC logbook. SPOC Team Chemistry Radiation Protection	2.5.1 Consider the OSC operational when the shift groups have completed the minimum staffing level forms. Record the time in the OSC logbook.	
8.	step 2.8	N/A	Make announcement; 1) "No eating and drinking until the area has been released by RP." and 2) "Check dosimetry periodically"	
9.	step 2.9.3	Request update and location of any team out in the field.	If Site Assembly has been initiated, provide the names of dispatched	

<< 10 CFR 50.54(q) Screening Evaluation Form >>

			personnel to Security	
10.	step 2.9.4	Report OSC status to Emergency Coordinator. Provide the OSC Manager telephone number	<i>deleted</i>	
11.	step 2.11	IF the TSC/OSC Backup Emergency Response Facility (ERF) has to be established, personnel will report to the Oconee Office Building, Rooms 316 and will set up the facility in accordance with Step 3.6.	IF AT ANY TIME the TSC/OSC Alternate Emergency Response Facility (ERF) has to be established, THEN personnel will report to the Oconee Office Building, Rooms 316 and will set up the facility in accordance with Step 3.6.	
12.	step 3.1.1	Review OSC Personnel Logs from all groups to determine all required positions have been filled.	Review OSC Personnel Logs from all groups to determine all positions have been filled.	
13.	step 3.1.3	Establish personnel accountability through completion of the personnel sign-in sheets for all personnel who have reported to the OSC. Continuing accountability will be the responsibility of the individual managers	Ensure personnel accountability is established through completion of the personnel sign-in sheets for all personnel who have reported to the OSC. Continuing accountability will be the responsibility of the individual managers	
14. p	step 3.1.4 A	Provide the names of NON-ERO personnel required to support OSC operations to the Emergency Coordinator.	Request all OSC Managers to maintain accountability of all the people in their group, in addition to those assigned to the OSC, that will remain onsite after non essential personnel leave the site	
15.	step 3.6	Activation of the OSC Backup Emergency Response Facility (ERF)	IF AT ANY TIME Activation of the OSC Alternate Emergency Response Facility (ERF) is required, THEN;	
16.	step 3.7	IF Major damage team response is deemed necessary by OSC Manager: THEN Send team to inspect damage. Suggested team makeup:	IF AT ANY TIME Major damage team response is deemed necessary by OSC Manager:	
17.	step 3.8	IF Major fire/tornado/earthquake/flood damage. THEN Refer to RP/0/A/1000/022. (Procedure for Major Site Damage Assessment And Repair) in the Unit 3 Control Room Emergency Plan Procedures cart located in OSC.	IF AT ANY TIME Major fire/tornado/earthquake/flood damage. THEN Refer to RP/0/A/1000/022. (Procedure for Major Site Damage Assessment And Repair) in the Unit 3 Control Room Emergency Plan Procedures cart located in OSC.	

<< 10 CFR 50.54(q) Screening Evaluation Form >>

18.	step 3.9	Keowee Hydroelectric Project Dam/Dike Failure	IF AT ANY TIME Keowee Hydroelectric Project Dam/Dike Failure, THEN;
19.	step 3.10.4	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	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
20.	step 3.10.6	N/A	Perform a critique in accordance with AD-EP-ALL-0803, Evaluation and Critique of Drills and Exercises
21.	Encl 4.2	Ensure signs are posted on the east door to the OSC to prevent entering or exiting through that door	Deleted
22.	Encl. 4.3 new bullet	N/A	IF responding to Hostile Action Based (HAB) event, notify the RP Incident Command Post Liaison that RP is present in the OSC.
23.	Encl 4.3 p1 of 3	Verify respiratory qualifications for their team members by checking respiratory training printout available in the RP Briefing Room.	Verify respiratory qualifications for team members using MyQuals or the Respiratory Qualification Report available in the RP Briefing Room.
24.	Encl 4.3 p.2 of 3	• Confer with/obtain permission from EC regarding early dismissal of non ERO personnel (non essential)	IF Conditions warrant, discussion recommendations for early dismissal of non-essential personnel.
25.	Encl 4.3 p.2 of 3	• Announce to the site (2 times): "All personnel that are not on the ERO or not supporting the emergency are to leave site for the day, personnel should check with their supervisors regarding when to return to site."	IF Early dismissal is required, request the EC announce to the site (2 times): "All personnel that are not on the ERO or not supporting the emergency are to leave site for the day, personnel should check with their supervisors regarding when to return to site."
26.	Encl 4.4 p. 1 of 3	Activate SDS for RIA data. No password is required.	Activate SDS for RIA data
27.	Encl 4.4 p.1 of 3	Track inplant radiation levels as reported by RIA monitors. Provide info to RP Manager.	Continuously track in-plant radiation levels as reported by RIA monitors. Provide info to RP Manager.
28.	Encl 4.4	Determine if RP support is required for teams being sent to field. Stamp OSC Task Worksheet as appropriate. (Stamps are in the RP Manager's	deleted

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		phone box)	
29.	Encl 4.4 p.1 of 2	Coordinate release of evacuation instructions with TSC Offsite Communicator.	<i>deleted</i>
30.	Encl 4.4 p.1 of 2	Provide information/feedback to Radiation Protection Manager regarding evacuation.	<i>deleted</i>
31.	Encl 4.4 p.1 of 2	Assist in administration of KI in accordance with SH/O/B/2005/003 (Distribution of Potassium Iodine Tablets In The Event Of A Radioiodine Release).	Assist in administration of KI in accordance with AD-EP-ALL-0204 (Distribution of Potassium Iodide Tablets In The Event Of A Radioiodine Release).
32.	Encl 4.4 p.1 of 2	Shutdown SDS. Press F10. Press Ctrl Alt Del keys.	Shutdown SDS.
33.	Encl 4.5 p.2 of 3	20 additional ED's are located in the OSC Emergency Cabinet. 20 additional ED's are located in the TSC Emergency Cabinet.	<i>deleted</i>
34.	Encl 4.5 p.2 of 3	RWP numbers for drills/emergencies is 33.	RWP numbers for drills/emergencies are as follows: • 33 for plant personnel • 98 for Field Monitoring Teams.
35.	Encl 4.6 step 1.2	EOF/Services Manager 704-382-0727 704-382-0728 SSG Commissary 864-873-3787 or 864-873-2143 SSG Evacuation Coordinator 864-873-2256 SSG Emergency Response Manager 864-873-4523	EOF/Services Manager 704-382-0728 SSG Commissary 864-873-4523 SSG Evacuation Coordinator 864-873-4515 SSG Emergency Response Manager 864-873-4523
36.	Encl 4.6 step 1.3	If site evacuation is required, provide names to Evacuation Coordinators	<u>IF</u> site evacuation is required, THEN obtain from the NSC and SSG Evacuation Coordinators employee names and ID numbers of essential personnel remaining on site and provide those names and IDs to the OSC RP Manager.
37.	Encl 4.6 step 2.1.2	Check with RP Manager on proper routes to follow to ensure there is a clear path for Commissary personnel to deliver food/drinks. If there is a radiological concern, an alternate route may need to be taken	<i>NOTE: An alternate route may need to be taken if there is a radiological concern.</i> <i><u>IF</u> food/drink is requested by the OSC Manager, THEN check with RP Manager on proper routes to follow to ensure there is a clear path for</i>

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			Commissary personnel to deliver food/drinks.
38.	Encl 4.6 step 2.1.3	Call the Nuclear Health and Call the Nuclear Health and Safety duty person and determine the proper routes to follow to ensure there is a safe clear path for Commissary personnel to deliver food/drinks(normal route). If there are safety concerns (e.g. chlorine leak, etc.) an alternate route may need to be taken	<p><i>IF food/drink is requested by the OSC Manager, THEN perform the following:</i></p> <p>A. <i>Call the Nuclear Health and Safety duty person (duty pager 864-779-6400).</i></p> <p>NOTE: <i>An alternate route may need to be taken if there are safety concerns (e.g. chlorine leak, etc.)</i></p> <p>B. <i>Determine the proper routes to follow to ensure there is a safe clear path for Commissary personnel to deliver food/drinks(normal route).</i></p>
39.	Encl 4.6 step 2.1.4	SSG Commissary: 864-873-3787 864-873-2143 Contact Name	<p>SSG Commissary: 864-873-4523</p> <p>_____</p> <p>Contact Name</p> <p>Contact Name</p>
40.	Encl 4.6 step 2.1.5	EOF Services Manager 704-382-0727 704-382-0728	EOF Services Manager 704-382-0728
41.	Encl 4.6 step 3.1	SSG Commissary	SSG Emergency Response Manager
42.	Encl. 4.8 p.1 of 2	Provide a list of essential Engineers remaining onsite to assist in the mitigation of the emergency event should evacuation occur. This list should be given to the OSC RP Manager giving name and employee ID number.	deleted
43.	Encl 4.10 p.1 of 4	NOTE: A total of six (6) SPOC/Maintenance personnel must be available to support the OSC within 75 minutes of emergency declaration. {2}	NOTE: A total of seven (7) FIN24/Maintenance personnel must be available to support the OSC within 75 minutes of emergency declaration. {2}
44.	Encl 4.11 Note, 1st bullet	Recommended staffing is Chemistry Manager, 2 Chemistry Staff Support, and 4 Technicians.	Deleted
45.	Encl 4.12	Notify Operations to report Keowee Hydro Condition A or Condition B dam failure to the	Notify Operations to report Keowee Hydro Imminent Failure or Potential Failure dam conditions to the

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		OSM/TSC Emergency Coordinator and EOF Director	OSM/TSC Emergency Coordinator and EOF Director
46.	Encl 4.5.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC RP Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>ON SHIFT RESPONDERS - REQUIRED RP Shift/Techs (Minimum of 3)</p> <p>45 MINUTE RESPONDERS - REQUIRED RP Techs (2 additional)</p> <p>75 MINUTE RESPONDERS - REQUIRED RPs (6 additional RP's required with 75 minutes of emergency declaration)</p> <p>p.2</p> <p>75 MINUTE RESPONDERS - REQUIRED FMT (4 additional)</p> <p>2 RP Techs</p> <p>2 Drivers</p> <p>Submit completed form to OSC Log/Status Keeper.</p> <p>p.3</p> <p>75 MINUTE DESIRED OSC RP PERSONNEL</p>
47.	Encl 4.10.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC Maintenance Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>ON SHIFT RESPONDERS - REQUIRED Mechanical Maintenance(2)</p> <p>I&E Technicians (2)</p> <p>75 MINUTE RESPONDERS - REQUIRED Mechanical</p>

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			<p>Maintenance(1) I&E Technicians (2)p.2 NOTE: I&E/Maintenance Technician position can be staffed by FIN supervisor Submit completed form to OSC Log/Status Keeper. p.2 75 MINUTE DESIRED OSC MAINTENANCE PERSONNEL FIN Team Supervisor OTHER ESSENTIAL MAINTENANCE PERSONNEL I&E Technicians Mechanical Maintenance</p>	
48.	Encl 4.11.1		<p>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added; Minimum Staffing Levels for Required OSC Chemistry Personnel NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility. Date/Time Event Declared: ON SHIFT RESPONDERS - REQUIRED Chemistry Shift/Tech 75 MINUTE RESPONDERS - REQUIRED Chemistry Shift/Tech Submit completed form to OSC Log/Status Keeper. p.2 75 MINUTE RESPONDERS - DESIRED Chemistry Manager Chemistry Staff Support OTHER ESSENTIAL CHEMISTRY PERSONNEL</p>	
49.	Encl 4.13.1		<p>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added; Minimum Staffing Levels for Required OSC Operations Personnel NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility. Date/Time Event Declared: ON SHIFT RESPONDERS -</p>	

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			<p>REQUIRED OPS OSC Supervisor (Nuclear Shift Supv) Auxiliary Operators - NLO</p> <p>FB Lead (SRO/NLO) Fire Brigade Member (NLO)</p> <p>Fire Brigade Member (FIN,RP,Chem,Sec)</p> <p>75 MINUTE RESPONDERS - REQUIRED Radwaste Operator Submit completed form to OSC Log/Status Keeper. p.2 75 MINUTE RESPONDERS - DESIRED Operations OSC Liaison OTHER ESSENTIAL OPERATIONS PERSONNEL</p>	
50.	Encl 4.14.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>75 MINUTE RESPONDERS - REQUIRED <i>Engineering Electrical</i></p> <p><i>Submit completed form to OSC Log/Status Keeper. p.2</i></p> <p>75 MINUTE RESPONDERS - DESIRED <i>OSC Manager Work Control Tech Asst. I Work Control Tech Asst. II Security NSC</i></p>	

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Part III. Editorial Change		Yes	<input type="checkbox"/>	No	X
Is this activity an editorial or typographical change only, such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification and complete Attachment 4, Part V & VI.		Continue to Attachment 4, Part IV and address non editorial changes	
Justification:					
Part IV. Emergency Planning Element and Function Screen (Reference Attachment 1, Considerations for Addressing Screening Criteria)					
Does this activity involve any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II? If answer is yes, then check box.					
1	10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)				
1a	Responsibility for emergency response is assigned.				<input type="checkbox"/>
1b	The response organization has the staff to respond and to augment staff on a continuing basis (24-7 staffing) in accordance with the emergency plan.				X
2	10 CFR 50.47(b)(2) Onsite Emergency Organization				
2a	Process ensures that onshift emergency response responsibilities are staffed and assigned				<input type="checkbox"/>
2b	The process for timely augmentation of onshift staff is established and maintained.				X
3	10 CFR 50.47(b)(3) Emergency Response Support and Resources				
3a	Arrangements for requesting and using off site assistance have been made.				<input type="checkbox"/>
3b	State and local staff can be accommodated at the EOF in accordance with the emergency plan. (NA for CR3)				<input type="checkbox"/>
4	10 CFR 50.47(b)(4) Emergency Classification System				
4a	A standard scheme of emergency classification and action levels is in use. (Requires final approval of Screen and Evaluation by EP CFAM.)				<input type="checkbox"/>
5	10 CFR 50.47(b)(5) Notification Methods and Procedures				
5a	Procedures for notification of State and local governmental agencies are capable of initiating notification of the declared emergency within 15 minutes (60 minutes for CR3) after declaration of an emergency and providing follow-up notification.				<input type="checkbox"/>
5b	Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. (NA for CR3)				<input type="checkbox"/>
5c	The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. (NA for CR3)				<input type="checkbox"/>

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Part IV. Emergency Planning Element and Function Screen (cont.)		
6	10 CFR 50.47(b)(6) Emergency Communications	
6a	Systems are established for prompt communication among principal emergency response organizations.	<input type="checkbox"/>
6b	Systems are established for prompt communication to emergency response personnel.	<input checked="" type="checkbox"/>
7	10 CFR 50.47(b)(7) Public Education and Information	
7a	Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). (NA for CR3)	<input type="checkbox"/>
7b	Coordinated dissemination of public information during emergencies is established.	<input type="checkbox"/>
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	<input checked="" type="checkbox"/>
8b	Adequate equipment is maintained to support emergency response.	<input checked="" type="checkbox"/>
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	<input type="checkbox"/>
10	10 CFR 50.47(b)(10) Protective Response	
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	<input type="checkbox"/>
10b	Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. (NA for CR3)	<input type="checkbox"/>
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	<input type="checkbox"/>
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	<input type="checkbox"/>
11	10 CFR 50.47(b)(11) Radiological Exposure Control	
11a	The resources for controlling radiological exposures for emergency workers are established.	<input type="checkbox"/>
12	10 CFR 50.47(b)(12) Medical and Public Health Support	
12a	Arrangements are made for medical services for contaminated, injured individuals.	<input type="checkbox"/>
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	<input checked="" type="checkbox"/>
14	10 CFR 50.47(b)(14) Drills and Exercises	
14a	A drill and exercise program (including radiological, medical, health physics and other program areas) is established.	<input type="checkbox"/>
14b	Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses.	<input type="checkbox"/>
14c	Identified weaknesses are corrected.	<input type="checkbox"/>
15	10 CFR 50.47(b)(15) Emergency Response Training	
15a	Training is provided to emergency responders.	<input type="checkbox"/>

EMERGENCY PLAN CHANGE SCREENING AND
EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)

AD-EP-ALL-0602

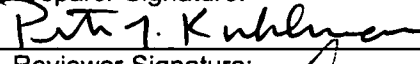

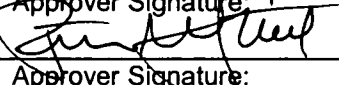

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ATTACHMENT 4

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Part IV. Emergency Planning Element and Function Screen (cont.)		
16	10 CFR 50.47(b)(16) Emergency Plan Maintenance	
16a	Responsibility for emergency plan development and review is established.	<input type="checkbox"/>
16b	Planners responsible for emergency plan development and maintenance are properly trained.	<input type="checkbox"/>
PART IV. Conclusion		
If no Part IV criteria are checked, a 10 CFR 50.54(q) Effectiveness Evaluation is not required, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V. Go to Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part VI for instructions describing the NRC required 30 day submittal.		<input type="checkbox"/>
If any Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV criteria are checked, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V and perform a 10 CFR 50.54(q) Effectiveness Evaluation. Shaded block requires final approval of Screen and Evaluation by EP CFAM.		<input checked="" type="checkbox"/>

Part V. Signatures		
Preparer Name (Print): Peter Kuhlman	Preparer Signature: 	Date: 1/30/17
Reviewer Name (Print): Don Crowl	Reviewer Signature: 	Date: 1/31/17
Approver (EP Manager Name (Print): Pat Street	Approver Signature: 	Date: 1/31/17
Approver (CFAM, as required) Name (Print) N/A 	Approver Signature:	Date:

Part VI. NRC Emergency Plan and Implementing Procedure Submittal Actions
--

Create two EREG General Assignments.	
• One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing.	<input type="checkbox"/>
• One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect.	<input type="checkbox"/>

QA RECORD

EMERGENCY PLAN CHANGE SCREENING AND
EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)

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ATTACHMENT 5

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Screening and Evaluation Number		Applicable Sites	
EREG #: 02092746		BNP	<input type="checkbox"/>
		CNS	<input type="checkbox"/>
		CR3	<input type="checkbox"/>
		HNP	<input type="checkbox"/>
5AD #: 02092728		MNS	<input type="checkbox"/>
		ONS	X
		RNP	<input type="checkbox"/>
		GO	<input type="checkbox"/>
Document and Revision RP/0/A/1000/025 Rev 7		Operational Support Center Manager Procedure	

Part I. Description of Proposed Change:

#	Page /Section	Current	Proposed Change
1.	Cover	Revision No. 006	Revision No. 007
2.	1.1 Note 2.11 3.6 3.6.1 3.6.2 Note 3.6.3 Note 3.6.3 5th, 11th bullet 3.6.4 3.6.5 Encl 4.1(3x's) Encl 4.2(3x's) Encl 4.3(4x's) Encl 4.4(3x's) Encl 4.5(3x's) Encl 4.6(4x's) Encl 4.7(5x's) Encl 4.10(3x's) Encl 4.11(2x's) Encl 4.12(3x's)	...Backup Emergency Response Facility....	...Alternate Emergency Response Facility
3.	Step 2 Note old 2.4 (2x's) 2.13 Note step 2.13 step 2.13.1	SPOC	FIN24

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	(2x's) step 2.13.2 step 2.13.3 step 3.7 Enclosures 4.10 title 4.10.1 title Encl 4.9(2x's) Encl 4.10(9x's) Encl 4.12(2x's)			
4.	Section 2 Note	Actions in Sections 2.0 and 3.0 are not required to be followed in any particular sequence.	This procedure is NOT required to be followed in step-by-step sequence. Sections of the procedure are to be implemented, as the applicable action becomes necessary	
5.	old step 2.3 renumbered substeps 2.2 - 2.7	Remove clip from procedure and request each manager to secure the appropriate enclosure for their response	<i>deleted</i>	
6.	p.3 old step 2.6 new step 2.5	Assure the below listed shift groups are present and ready to assist in the OSC:	Make an announcement that the following groups have required positions and should submit completed minimum staffing level forms to the OSC Log/Status Keeper: Operations <ul style="list-style-type: none"> • Radiation Protection (Encl. 4.5.1) • Maintenance (Encl. 4.10.1) • Chemistry (Encl. 4.11.1) • Operations (Encl. 4.13.1) • Engineering (Encl. 4.14.1) 	
7.	p.4 old 2.6.1 new 2.5.1	2.6.1 Consider the OSC operational when the below listed shift groups report to the OSC and accountability has been achieved. Record the time in the OSC logbook. SPOC Team Chemistry Radiation Protection	2.5.1 Consider the OSC operational when the shift groups have completed the minimum staffing level forms. Record the time in the OSC logbook.	
8.	step 2.8	N/A	Make announcement; 1) "No eating and drinking until the area has been released by RP." and 2) "Check dosimetry periodically"	
9.	step 2.9.3	Request update and location of any team out in the field.	If Site Assembly has been initiated, provide the names of dispatched personnel to Security	

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10.	step 2.9.4	Report OSC status to Emergency Coordinator. Provide the OSC Manager telephone number	<i>deleted</i>
11.	step 2.11	<u>IF</u> the TSC/OSC Backup Emergency Response Facility (ERF) has to be established, personnel will report to the Oconee Office Building, Rooms 316 and will set up the facility in accordance with Step 3.6.	<u>IF AT ANY TIME</u> the TSC/OSC Alternate Emergency Response Facility (ERF) has to be established, THEN personnel will report to the Oconee Office Building, Rooms 316 and will set up the facility in accordance with Step 3.6.
12.	step 3.1.1	Review OSC Personnel Logs from all groups to determine all required positions have been filled.	Review OSC Personnel Logs from all groups to determine all positions have been filled.
13.	step 3.1.3	Establish personnel accountability through completion of the personnel sign-in sheets for all personnel who have reported to the OSC. Continuing accountability will be the responsibility of the individual managers	Ensure personnel accountability is established through completion of the personnel sign-in sheets for all personnel who have reported to the OSC. Continuing accountability will be the responsibility of the individual managers
14. p	step 3.1.4 A	Provide the names of NON-ERO personnel required to support OSC operations to the Emergency Coordinator.	Request all OSC Managers to maintain accountability of all the people in their group, in addition to those assigned to the OSC, that will remain onsite after non essential personnel leave the site
15.	step 3.6	Activation of the OSC Backup Emergency Response Facility (ERF)	IF AT ANY TIME Activation of the OSC Alternate Emergency Response Facility (ERF) is required, THEN;
16.	step 3.7	IF Major damage team response is deemed necessary by OSC Manager: THEN Send team to inspect damage. Suggested team makeup:	IF AT ANY TIME Major damage team response is deemed necessary by OSC Manager:
17.	step 3.8	IF Major fire/tornado/earthquake/flood damage. THEN Refer to RP/0/A/1000/022. (Procedure for Major Site Damage Assessment And Repair) in the Unit 3 Control Room Emergency Plan Procedures cart located in OSC.	<u>IF AT ANY TIME</u> Major fire/tornado/earthquake/flood damage. <u>THEN</u> Refer to RP/0/A/1000/022. (Procedure for Major Site Damage Assessment And Repair) in the Unit 3 Control Room Emergency Plan Procedures cart located in OSC.
18.	step 3.9	Keowee Hydroelectric Project	<u>IF AT ANY TIME</u> Keowee

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		Dam/Dike Failure	Hydroelectric Project Dam/Dike Failure, THEN:
19.	step 3.10.4	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	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
20.	step 3.10.6	N/A	Perform a critique in accordance with AD-EP-ALL-0803, Evaluation and Critique of Drills and Exercises
21.	Encl 4.2	Ensure signs are posted on the east door to the OSC to prevent entering or exiting through that door	Deleted
22.	Encl. 4.3 new bullet	N/A	IF responding to Hostile Action Based (HAB) event, notify the RP Incident Command Post Liaison that RP is present in the OSC.
23.	Encl 4.3 p1 of 3	Verify respiratory qualifications for their team members by checking respiratory training printout available in the RP Briefing Room.	Verify respiratory qualifications for team members using MyQuals or the Respiratory Qualification Report available in the RP Briefing Room.
24.	Encl 4.3 p.2 of 3	<ul style="list-style-type: none"> Confer with/obtain permission from EC regarding early dismissal of non ERO personnel (non essential) 	IF Conditions warrant, discussion recommendations for early dismissal of non-essential personnel.
25.	Encl 4.3 p.2 of 3	<ul style="list-style-type: none"> Announce to the site (2 times): "All personnel that are not on the ERO or not supporting the emergency are to leave site for the day, personnel should check with their supervisors regarding when to return to site." 	IF Early dismissal is required, request the EC announce to the site (2 times): "All personnel that are not on the ERO or not supporting the emergency are to leave site for the day, personnel should check with their supervisors regarding when to return to site."
26.	Encl 4.4 p. 1 of 3	Activate SDS for RIA data. No password is required.	Activate SDS for RIA data
27.	Encl 4.4 p.1 of 3	Track inplant radiation levels as reported by RIA monitors. Provide info to RP Manager.	Continuously track in-plant radiation levels as reported by RIA monitors. Provide info to RP Manager.
28.	Encl 4.4	Determine if RP support is required for teams being sent to field. Stamp OSC Task Worksheet as appropriate. (Stamps are in the RP Manager's	deleted

<< 10 CFR 50.54(q) Effectiveness Evaluation Form >>

		phone box)	
29.	Encl 4.4 p.1 of 2	Coordinate release of evacuation instructions with TSC Offsite Communicator.	<i>deleted</i>
30.	Encl 4.4 p.1 of 2	Provide information/feedback to Radiation Protection Manager regarding evacuation.	<i>deleted</i>
31.	Encl 4.4 p.1 of 2	Assist in administration of KI in accordance with SH/O/B/2005/003 (Distribution of Potassium Iodine Tablets In The Event Of A Radioiodine Release).	Assist in administration of KI in accordance with AD-EP-ALL-0204 (Distribution of Potassium Iodide Tablets In The Event Of A Radioiodine Release).
32.	Encl 4.4 p.1 of 2	Shutdown SDS. Press F10. Press Ctrl Alt Del keys.	Shutdown SDS.
33.	Encl 4.5 p.2 of 3	20 additional ED's are located in the OSC Emergency Cabinet. 20 additional ED's are located in the TSC Emergency Cabinet.	<i>deleted</i>
34.	Encl 4.5 p.2 of 3	RWP numbers for drills/emergencies is 33.	RWP numbers for drills/emergencies are as follows: • 33 for plant personnel • 98 for Field Monitoring Teams.
35.	Encl 4.6 step 1.2	EOF/Services Manager 704-382-0727 704-382-0728 SSG Commissary 864-873-3787 or 864-873-2143 SSG Evacuation Coordinator 864-873-2256 SSG Emergency Response Manager 864-873-4523	EOF/Services Manager 704-382-0728 SSG Commissary 864-873-4523 SSG Evacuation Coordinator 864-873-4515 SSG Emergency Response Manager 864-873-4523
36.	Encl 4.6 step 1.3	If site evacuation is required, provide names to Evacuation Coordinators	<u>IF</u> site evacuation is required, THEN obtain from the NSC and SSG Evacuation Coordinators employee names and ID numbers of essential personnel remaining on site and provide those names and IDs to the OSC RP Manager.
37.	Encl 4.6 step 2.1.2	Check with RP Manager on proper routes to follow to ensure there is a clear path for Commissary personnel to deliver food/drinks. If there is a radiological concern, an alternate route may need to be taken	<i>NOTE: An alternate route may need to be taken if there is a radiological concern.</i> <i>IF food/drink is requested by the OSC Manager, THEN check with RP Manager on proper routes to follow to ensure there is a clear path for</i>

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			Commissary personnel to deliver food/drinks.	
38.	Encl 4.6 step 2.1.3	Call the Nuclear Health and Call the Nuclear Health and Safety duty person and determine the proper routes to follow to ensure there is a safe clear path for Commissary personnel to deliver food/drinks(normal route). If there are safety concerns (e.g. chlorine leak, etc.) an alternate route may need to be taken	<p><i>IF food/drink is requested by the OSC Manager, THEN perform the following:</i></p> <p>A. <i>Call the Nuclear Health and Safety duty person (duty pager 864-779-6400).</i></p> <p><i>NOTE: An alternate route may need to be taken if there are safety concerns (e.g. chlorine leak, etc.)</i></p> <p>B. <i>Determine the proper routes to follow to ensure there is a safe clear path for Commissary personnel to deliver food/drinks(normal route).</i></p>	
39.	Encl 4.6 step 2.1.4	SSG Commissary: 864-873-3787 864-873-2143 Contact Name	<p>SSG Commissary: 864-873-4523</p> <p>_____</p> <p>Contact Name</p> <p>Contact Name</p>	
40.	Encl 4.6 step 2.1.5	EOF Services Manager 704-382-0727 704-382-0728	EOF Services Manager 704-382-0728	
41.	Encl 4.6 step 3.1	SSG Commissary	SSG Emergency Response Manager	
42.	Encl. 4.8 p.1 of 2	Provide a list of essential Engineers remaining onsite to assist in the mitigation of the emergency event should evacuation occur. This list should be given to the OSC RP Manager giving name and employee ID number.	deleted	
43.	Encl 4.10 p.1 of 4	NOTE: A total of six (6) SPOC/Maintenance personnel must be available to support the OSC within 75 minutes of emergency declaration. {2}	NOTE: A total of seven (7) FIN24/Maintenance personnel must be available to support the OSC within 75 minutes of emergency declaration. {2}	
44.	Encl 4.11 Note, 1st bullet	Recommended staffing is Chemistry Manager, 2 Chemistry Staff Support, and 4 Technicians.	Deleted	
45.	Encl 4.12	Notify Operations to report Keowee Hydro Condition A or Condition B dam failure to the	Notify Operations to report Keowee Hydro Imminent Failure or Potential Failure dam conditions to the	

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		OSM/TSC Emergency Coordinator and EOF Director	OSM/TSC Emergency Coordinator and EOF Director	
46.	Encl 4.5.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC RP Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>ON SHIFT RESPONDERS - REQUIRED RP Shift/Techs (Minimum of 3)</p> <p>45 MINUTE RESPONDERS - REQUIRED RP Techs (2 additional)</p> <p>75 MINUTE RESPONDERS - REQUIRED RPs (6 additional RPs required with 75 minutes of emergency declaration)</p> <p><i>p.2</i></p> <p>75 MINUTE RESPONDERS - REQUIRED FMT (4 additional)</p> <p>2 RP Techs</p> <p>2 Drivers</p> <p><i>Submit completed form to OSC Log/Status Keeper.</i></p> <p><i>p.3</i></p> <p>75 MINUTE DESIRED OSC RP PERSONNEL</p>	
47.	Encl 4.10.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC Maintenance Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>ON SHIFT RESPONDERS - REQUIRED Mechanical Maintenance(2)</p> <p>I&E Technicians (2)</p> <p>75 MINUTE RESPONDERS - REQUIRED Mechanical</p>	

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			<p>Maintenance(1) I&E Technicians (2)p.2 NOTE: I&E/Maintenance Technician position can be staffed by FIN supervisor Submit completed form to OSC Log/Status Keeper. p.2 75 MINUTE DESIRED OSC MAINTENANCE PERSONNEL FIN Team Supervisor OTHER ESSENTIAL MAINTENANCE PERSONNEL I&E Technicians Mechanical Maintenance</p>	
48.	Encl 4.11.1		<p>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added; Minimum Staffing Levels for Required OSC Chemistry Personnel NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility. Date/Time Event Declared:</p> <p>ON SHIFT RESPONDERS - REQUIRED Chemistry Shift/Tech 75 MINUTE RESPONDERS - REQUIRED Chemistry Shift/Tech Submit completed form to OSC Log/Status Keeper. p.2 75 MINUTE RESPONDERS - DESIRED Chemistry Manager Chemistry Staff Support OTHER ESSENTIAL CHEMISTRY PERSONNEL</p>	
49.	Encl 4.13.1		<p>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added; Minimum Staffing Levels for Required OSC Operations Personnel NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility. Date/Time Event Declared:</p> <p>ON SHIFT RESPONDERS -</p>	

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			<p>REQUIRED OPS OSC Supervisor (Nuclear Shift Supv) Auxiliary Operators - NLO</p> <p>FB Lead (SRO/NLO) Fire Brigade Member (NLO)</p> <p>Fire Brigade Member (FIN,RP,Chem,Sec)</p> <p>75 MINUTE RESPONDERS - REQUIRED Radwaste Operator Submit completed form to OSC Log/Status Keeper. p.2</p> <p>75 MINUTE RESPONDERS - DESIRED Operations OSC Liaison</p> <p>OTHER ESSENTIAL OPERATIONS PERSONNEL</p>
50.	Encl 4.14.1		<p><i>Modified sign-in sheets to designate minimum staffing positions as stated in the Emergency Plan Tables 8a/8b Added;</i></p> <p><i>Minimum Staffing Levels for Required OSC Personnel</i></p> <p><i>NOTE: 24 Hour Staffing Relief is NOT needed for the activation of the facility.</i></p> <p><i>Date/Time Event Declared:</i></p> <p>75 MINUTE RESPONDERS - REQUIRED</p> <p><i>Engineering Electrical</i></p> <p><i>Submit completed form to OSC Log/Status Keeper. p.2</i></p> <p>75 MINUTE RESPONDERS - DESIRED</p> <p><i>OSC Manager Work Control Tech Asst. I Work Control Tech Asst. II Security NSC</i></p>

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			Maintenance Manager
			OTHER ESSENTIAL OSC PERSONNEL
51.	Section 4 Enclosure list new Encl 4.16		Added OSC Task Work Sheet from EP Fam3.14.3.6

Attachment 6, 10 CFR 50.54(q) Initiating Condition (IC) and Emergency Action Level (EAL) and EAL
Bases Validation and Verification (V&V) Form , is attached (required for IC or EAL change)

Yes ☐
No ☒

Part II. Description and Review of Licensing Basis Affected by the Proposed Change:

ONS Emergency Plan, Revision 2016-003**A. ASSIGNMENT OF RESPONSIBILITY**

I.b (in part) During the first critical hours (until outside agencies responsible for public health and safety can properly respond), the Operations Shift Manager on duty at the Oconee Nuclear Station assumes responsibility for initiating protective action required for any location within the Site Boundary or Emergency Planning Zones that may be affected as a result of an emergency. The Operations Shift Manager will determine the emergency action level. Notification of Unusual Events dictate that offsite agencies be notified and that site management and corporate management are made aware of the event. If no further deterioration transpires, the event is closed out and agencies so notified. However, if the event is escalated and determined that a higher action level exists, the Emergency Response Organization is activated.....

4. Continuity of Resources

The Station Vice-President is the individual responsible for assuring continuity of resources within the Oconee Nuclear Station Emergency Plan. The EOF Director in the Emergency Operations Facility is responsible for assuring continuity of resources in an emergency situation.

B. ONSITE EMERGENCY ORGANIZATION

B.5 Minimum Staffing Requirements for Nuclear Power Plant Emergencies Figure B-8(a/b) identifies the positions by title and major tasks to be performed by the persons assigned to the functional areas of emergency activity within 45 to 75 minutes. The TSC and OSC will be activated within 75 minutes of event classification. The EOF (Figure B-9) will also be staffed and operational by a minimum staff within 75 minutes of event classification. A detailed analysis demonstrating that on-shift personnel assigned emergency plan implementation functions are not assigned responsibilities that would prevent the timely performance of their assigned functions as specified in Figure B-8a is located in ONS-OSSA-12212012 Rev: 0.

F. EMERGENCY COMMUNICATIONS

F.2 Medical Support Communication Link (in part)... However, should an emergency at the Oconee Nuclear Station cause the Emergency Response Organization to be activated, personnel will staff the Operational Support Center who can respond to a medical emergency. Calls will be made from the Operational Support Center for additional medical assistance (i.e. ambulance transport and hospital contact).

H. EMERGENCY FACILITIES AND EQUIPMENT**H.1.b Operational Support Center (OSC)(Figure H-2)**

An Operational Support Center has been established in the Operations Center located in the Unit 3 Control Room.

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Personnel assigned to this support center will include the following:

- ☐ Work Control
- ☐ Chemistry
- ☐ Radiation Protection
- ☐ Maintenance
- ☐ Operations
- ☐ Engineering
- ☐ Nuclear Supply Chain
- ☐ Security

The Operational Support Center has shielding and ventilation to the same degree as the Control Room. Breathing equipment and protective clothing are available in the Operational Support Center should any craftsman/technician be required to perform a task or function in an area that would require protective clothing and breathing apparatus.

H.1.c Alternate Emergency Response Facility (ERF) (Figure H-14 and H-2A)

An Alternate Technical Support Center has been established at the Oconee Office Building, Room 316. Radio and telephone communications are available to offsite agencies and the NRC to the same extent as the designated TSC.

An Alternate Operational Support Center has been established in the Oconee Office Building, Room 316 A. Communication links are provided for information flow both to the Control Room and Technical Support Center.

H.4 Activation and Staffing of the Emergency Response Organization

Activation and staffing of the Emergency Response Organization will be in accordance with the emergency action levels and the procedures developed for determining emergency response. Division/Section Directives describe the Emergency Response Organization. Figures A-2A, A-2B depicts the procedure for recall of the Emergency Organization

H.9 Operational Support Center - Emergency Supplies

The Operational Support Center will have the same shielding, and ventilation as the Control Room. Protective clothing and breathing equipment are available to the personnel assembled in these areas. (See Figures H-13, H-14, H-17)

M. RECOVERY AND REENTRY PLANNING AND POST-ACCIDENT OPERATIONS

M.3 Initiation of Recovery Operation - Radiological

Guidance concerning recovery operations are provided in the following procedures:

TSC/OSC - RP/0/A/1000/019, RP/0/A/1000/027

EOF - SR/0/A/2000/003

JIC - RP/0/A/1000/031 (Note: Information carried in plan has now been placed in this procedure)

Initiation of Recovery Operation - Hazardous Wastes/Materials

Recovery will be provided as directed by AD-EN-ALL-0200, Spill Response.

RIS 2005-02, Clarifying the Process for Making Emergency Plan Changes, Rev. 1 states,

2) Emergency plan

a) The document prepared and maintained by the licensee that identifies and describes the licensee's methods for maintaining emergency preparedness, and responding to emergencies. An emergency plan includes the plan as originally approved by the NRC, and all subsequent changes made by the licensee with, and without, prior NRC review and approval under 10 CFR 50.54(q).

i) The licensee's emergency plan consists of:

(1) The emergency plan as approved by the NRC via a Safety Evaluation Report (SE), or license amendment (LA) from the Office of Nuclear Reactor Regulation (NRR) or the Office of Federal and

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State Materials and Environmental Management Programs (FSME).

(2) Any subsequent changes to the emergency plan explicitly reviewed by the NRC through an SE, or LA from NRR or FSME, and found to meet the applicable regulations.

(3) Any subsequent changes made by the licensee without NRC review and approval after the licensee concluded that the change(s) do not constitute a decrease in effectiveness under 10 CFR 50.54(q).

The differences in ONS Emergency Plan, Revision 82-2, and the current revision of the ONS Emergency Plan have been determined to meet the regulatory requirements of the course of revisions. Each revision has been evaluated in the regulatory process has met the approval of the NRC during the inspection process. The changes do not reduce the effectiveness of the Emergency Plan.

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Part III. Description of How the Proposed Change Complies with Regulation and Commitments.

If the emergency plan, modified as proposed, no longer complies with planning standards in 10 CFR 50.47(b) and the requirements in Appendix E to 10 CFR Part 50, then ensure the change is rejected, modified, or processed as an exemption request under 10 CFR 50.12, Specific Exemptions, rather than under 10 CFR 50.54(q):

10 CFR 50.47(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.

10 CFR 50.47(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.

10 CFR 50.47(b)(6) Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.

10 CFR 50.47(b)(8) Adequate emergency facilities and equipment to support the emergency response are provided and maintained.

10 CFR 50.47(b)(13) General plans for recovery and reentry are developed.

10 CFR Appendix E to Part 50

A. Onsite and offsite organizations for coping with emergencies and the means for notification, in the event of an emergency, of persons assigned to the emergency organizations.

The changes identified in this revision continue to comply with regulation. ONS retains the capability required by regulation to assign primary responsibility for emergency response and establish the emergency responsibilities of supporting organizations. The changes identified further clarify and ensures the documentation of required minimum staff. Changes made to contact information ensure timeliness of communications among emergency response personnel. The revision ensures adequate facilities and equipment by the updating steps that are conditional in nature and can be addressed and evaluated based on plant conditions to aid in procedure use and adherence.

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Part IV. Description of Emergency Plan Planning Standards, Functions and Program Elements Affected by the Proposed Change (Address each function identified in Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV of associated Screen):

10 CFR 50.47(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.

Two emergency planning functions have been defined for this planning standard:

- (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.

NUREG 0654 A. Assignment of Responsibility (Organization Control)

1b. Each organization and suborganization having an operational role shall specify its concept of operations, and its relationship to the total effort.

4. Each principal organization shall be capable of continuous (24-hour) operations for a protracted period. The individual in the principal organization who will be responsible for assuring continuity of resources (technical, administrative, and material) shall be specified by title.

10 CFR 50.47(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.

Two emergency planning functions have been defined for this planning standard:

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

NUREG 0654 B. Onsite Emergency Organization

5. Each licensee shall specify the positions or title and major tasks to be performed by the persons to be assigned to the functional areas of emergency activity. For emergency situations, specific assignments shall be made for all shifts and for plant staff members, both onsite and away from the site. These assignments shall cover the emergency functions in Table B-1 entitled, 11 Minimum Staffing Requirements for Nuclear Power Plant Emergencies ... The minimum on-shift staffing levels shall be as indicated in Table B-1. The licensee must be able to augment on-shift capabilities within a short period after declaration of an emergency. This capability shall be as indicated in Table B-1. The implementation schedule for licensed operators, auxiliary operators and the shift technical advisor on shift shall be as specified in the July 31, 1980 letter to all power reactor licensees. Any deficiencies in the other staffing requirements of Table B-1 must be capable of augmentation within 30 minutes by September 1, 1981, and such deficiencies must be fully removed by July 1, 1982. 10 CFR 50.47(b)(6) Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.

10 CFR 50.47(b)(6) Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.

Two emergency planning functions have been defined for this planning standard:

- (1) Systems are established for prompt communication among principal emergency response organizations.

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(2) Systems are established for prompt communication to emergency response personnel.

NUREG 0654 F. Emergency Communications

2. Each organization shall ensure that a coordinated communication link for fixed and mobile medical support facilities exists.

10 CFR 50.47(b)(8) Adequate emergency facilities and equipment to support the emergency response are provided and maintained.

Two emergency planning functions have been defined for this planning standard:

(1) Adequate facilities are maintained to support emergency response.

(2) Adequate equipment is maintained to support emergency response.

NUREG 0654 H. Emergency Facilities and Equipment

1. Each licensee shall establish a Technical Support Center and an onsite operations support center (assembly area) in accordance with NUREG-0696, Revision 1.

4. Each organization shall provide for timely activation and staffing of the facilities and centers described in the plan.

9. Each licensee shall provide for an onsite operations support center (assembly area) which shall have adequate capacity, and supplies, including, for example, respiratory protection, protective clothing, portable lighting, portable radiation monitoring equipment, cameras and communications equipment for personnel present in the assembly area.

10 CFR 50.47(b)(13) General plans for recovery and reentry are developed.

The following emergency planning function has been defined for this planning standard:

Plans for recovery and reentry are developed.

NUREG 0654 M. Recovery and Reentry Planning and Postaccident Operations

3. Each licensee and State plan shall specify means for informing members of the response organizations that a recovery operation is to be initiated, and of any changes in the organizational structure that may occur.

10 CFR Appendix E to Part 50

A. Onsite and offsite organizations for coping with emergencies and the means for notification, in the event of an emergency, of persons assigned to the emergency organizations.

Part V. Description of Impact of the Proposed Change on the Effectiveness of Emergency Plan Functions:

10 CFR 50.47(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.

Functions:

(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.

10 CFR 50.47(b)(2) On-shift facility licensee responsibilities for emergency response are unambiguously defined,

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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.

Functions:

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

Changes 6,7,9,10,12,13,14,46,47,48,49,50; ensures accountability of required minimum staffing per the Emergency Plan. No change in current staffing levels.

10 CFR 50.47(b)(6) Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.

Functions:

- (1) Systems are established for prompt communication among principal emergency response organizations.
- (2) Systems are established for prompt communication to emergency response personnel.

Changes 35, 36,39,40,41; Ensure prompt communication by correcting phone numbers of respective personnel.

10 CFR 50.47(b)(8) Adequate emergency facilities and equipment to support the emergency response are provided and maintained.

Functions:

- (1) Adequate facilities are maintained to support emergency response.
- (2) Adequate equipment is maintained to support emergency response.

Changes 33; ED's have been moved to the entrance of the Single Point Access and are procedurally obtained prior to entry in to the TSC/OSC when signing in to the RWP for the event. Sufficient ED's are present and maintained to provide for the number of personnel that may be present during outages, which would be sufficient for the number of emergency response personnel.

10 CFR 50.47(b)(13) General plans for recovery and reentry are developed.

Function:

Plans for recovery and reentry are developed.

Change 51; worksheets moved from fleet document to site document, no change in function.

The changes made by this revision are based on drill feedback and are enhancements to procedure performance. RP/0/A/1000/025 continues to maintain the methods and resources to maintain the functions required by regulation. Changes 1,4,5,8,26,27,28,29,30,31,34,44,45; housekeeping due to making the revision. Enhance procedure usage by stating steps may be performed in any order and adding conditional statements. Removed redundant steps. Updated procedure references that had been superseded.

Changes 2; Title change to align with ERF description in the Emergency Plan, no change of function.

Change 3,43; Title change due to organizational change, no change in resource or function.

Change 11,15,16,17,18,22,24,25,36,37,38 ; PU&A enhancement, steps are to be evaluated throughout the procedure use.

RP/0/A/1000/025 continues to implement staffing resources and responsibilities outlined in the ONS Emergency Plan, maintains the process for prompt communications among principal resources, maintains the facilities and equipment required for emergency response and is a resource for recovery and reentry. The changes made to this revision have been evaluated independently and as a whole and do not represent a reduction in effectiveness.

EMERGENCY PLAN CHANGE SCREENING AND
EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)

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Part VI. Evaluation Conclusion.			
Answer the following questions about the proposed change.			
1	Does the proposed change comply with 10 CFR 50.47(b) and 10 CFR 50 Appendix E?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2	Does the proposed change maintain the effectiveness of the emergency plan (i.e., no reduction in effectiveness)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3	Does the proposed change maintain the current Emergency Action Level (EAL) scheme?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Choose one of the following conclusions:		
a	The activity does continue to comply with the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E, and the activity does not constitute a reduction in effectiveness or change in the current Emergency Action Level (EAL) scheme. Therefore, the activity can be implemented without prior NRC approval.	<input checked="" type="checkbox"/>	
b	The activity does not continue to comply with the requirements of 10 CFR 50.47(b) or 10 CFR 50 Appendix E or the activity does constitute a reduction in effectiveness or EAL scheme change. Therefore, the activity cannot be implemented without prior NRC approval.	<input type="checkbox"/>	
Part VII. Disposition of Proposed Change Requiring Prior NRC Approval			
Will the proposed change determined to require prior NRC approval be either revised or rejected?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
If No, then initiate a License Amendment Request in accordance 10 CFR 50.90 and AD-LS-ALL-0002, Regulatory Correspondence, and include the tracking number: _____			

EMERGENCY PLAN CHANGE SCREENING AND
EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)

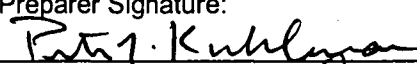

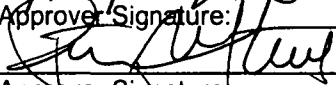

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Part VIII. Signatures: EP CFAM Final Approval is required for changes affecting risk significant planning standard 10 CFR 50.47(b)(4).		
Preparer Name (Print): Peter Kuhlman	Preparer Signature: 	Date: 1/30/17
Reviewer Name (Print): Don Crowl	Reviewer Signature: 	Date: 1-31-17
Approver (EP Manager) Name (Print): Pat Street	Approver Signature: 	Date: 1/31/17
Approver (CFAM, as required) Name (Print): N/A 	Approver Signature	Date:
<p>If the proposed activity is a change to the E-Plan or implementing procedures, then create two EREG General Assignments.</p> <ul style="list-style-type: none"> One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing. <input type="checkbox"/> One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect. <input type="checkbox"/> 		

QA RECORD