

Southern Nuclear Operating Company
Vogtle Electric Generating Plant
Post Office Box 1600
Waynesboro, Georgia 30830



October 3, 2001

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

NOT-03795

**VOGTLE ELECTRIC GENERATING PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE REVISION**

Gentlemen:

In accordance with 10 CFR 50.4, as required by 10 CFR 50, Appendix E, Part V, Southern Nuclear hereby submits the following revision(s) to the Vogtle Emergency Plan Implementing Procedure(s):

<u>Procedure</u>	<u>Revision</u>	<u>Effective Date</u>
91204-C	26	10/02/2001

By copy of this letter, the NRC Region II Administrator and the Site NRC Senior Resident Inspector will receive one copy each of the revision(s).

Please contact Lawrence Mayo at (706) 826-3356 if you have questions.

Sincerely,

A handwritten signature in cursive script that reads "Lawrence E. Mayo".

Lawrence E. Mayo
Emergency Preparedness Coordinator

LEM:jjm

Enclosure: Emergency Plan Implementing Procedure(s)

A045

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PRB REVIEW REQUIRED

1.0 **PURPOSE**

The purpose of this procedure is to provide instructions for the use and testing of the communication systems available to the Emergency Response Organization (ERO).

2.0 **RESPONSIBILITIES**

2.1 The Emergency Preparedness Coordinator (EPC) has the overall responsibility for testing of communication systems utilized by the Vogtle Electric Generating Plant (VEGP) ERO.

3.0 **PREREQUISITES**

NONE

4.0 **PRECAUTIONS**

4.1 Simply lifting the receiver will not verify the operability of the Emergency Notification Network (ENN). Contact must be established.

4.2 If a radio dead spot is observed, either use a telephone to transfer information, or move to a different location and re-attempt contact with the radio.

4.3 Administratively dedicated telephones are only to be used between designated locations to ensure communication links are available as indicated.

4.4 During drills and exercises, messages on communication systems shall be preceded and followed by "THIS IS A DRILL".

5.0 **PROCEDURE**

5.1 **EMERGENCY NOTIFICATION NETWORK (ENN)**

5.1.1 Characteristics

5.1.1.1 Black color.

5.1.1.2 The ENN is used for initial notification, changes in classification level and updates on status to state, county and Savannah River Site (SRS) authorities. The ENN is also used by SRS to notify states and counties of an emergency.

5.1.1.3 The ENN is a dedicated telephone system from VEGP to locations listed in section 5.1.1.4. Operation is accomplished by dialing a two digit calling code to call all stations or individual stations. Each telephone has a speaker and telephone handset at each location. Section 5.1.2 is a detailed description of ENN operation.

5.1.1.4 Locations and calling codes of the ENN:

5.1.1.4.1 Georgia

CODE	LOCATION
20	Control Room (CR)(a)
21	Technical Support Center (TSC)
22	Emergency Operations Facility (EOF)(b)
92	Georgia Emergency Management Agency Emergency Operations Center (EOC) - Atlanta(b)
93	Georgia Emergency Management Agency Forward Emergency Operations Center (FEOC) - Waynesboro(b)
91	Dept. Natural Resources/ Georgia Emergency Management Agency Forward Emergency Operations Center (FEOC) - Waynesboro (b)
81	Burke County Emergency Operations Center - Waynesboro(b)
23	Back-Up Emergency Operations Facility (Back-Up EOF) - Waynesboro(b)
90	Georgia Emergency Management Agency Communication Center(a)
80	Burke County EMA Dispatcher(a)
24	Simulator (Training Center)
(a)	Manned 24 hours daily
(b)	Installed when facility is activated

5.1.1.4.2 South Carolina

CODE	LOCATION
31	SRS Dose Assessment
30,33	SRS Operations Center(a)
50	Aiken County Warning Point(a)
55	Aiken County EOC
60	Barnwell County Warning Point(a)
65	Barnwell County EOC
75	Allendale County Warning Point(a)
70	Allendale County EOC
40	South Carolina State Warning Point - (Backup)(a)
44	South Carolina State EOC
45, 46	South Carolina State Warning Point SEOC - (Primary)(a)
(a)	Manned 24 hours daily
(b)	Installed when facility is activated

5.1.1.4.3 All Stations

CODE	LOCATION
**	Contacts ALL stations.

5.1.2 Operation

5.1.2.1 Outgoing Calls:

- a. System is activated by lifting handset and dialing the desired 2 digit calling code (See 5.1.1.4.1 and 5.1.1.4.2 for codes).
- b. All speakers are activated (except the speaker associated with the lifted handset).
- c. The button in the telephone handset must be depressed when speaking.
- d. Caller voice-hails station(s) to be contacted using Procedure 91002-C, "Emergency Notifications".
- e. When use of system is complete, return handset to cradle which returns system to standby mode.

5.1.2.2 Incoming call:

- a. Receiving party hears ringing tone and/or voice-hail from caller on speaker. The red light will stay lighted until the handset is lifted.
- b. Receiving party lifts handset, which disconnects speaker and extinguishes the red light. Audio is now received through the handset.
- c. Receiving party acknowledges call. The button in the telephone handset must be depressed when speaking.
- d. Upon completion, handset is cradled, which returns system to standby mode.

5.1.2.3 Commercial telephones, the Southern Company Communications, the Digital Conferencing Switching System and radios provide back-up to the ENN.

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5.2 EMERGENCY NOTIFICATION SYSTEM (ENS)

5.2.1 Characteristics

5.2.1.1 Cream color with push button dial face.

5.2.1.2 Used for notification of NRC Headquarters, Rockville, Maryland. Region II NRC Office in Atlanta can also be reached on this line during normal working hours.

5.2.1.3 ENS phone service provided by Federal Telecommunications System (FTS) 2001 Network.

5.2.1.4 Commercial telephone lines and the Southern Company Communications system back up the ENS.

5.2.1.5 Locations:

- a. Control Room
- b. Technical Support Center
- c. Emergency Operations Facility

5.2.2 Operation

5.2.2.1 To place a call over the ENS to the NRC Headquarters, perform the following:

- a. Lift the receiver on the telephone instrument and listen for dial tone.

NOTE

An access code (1) must be dialed before the appropriate 10 digit telephone number.

- b. After receiving dial tone, dial the first number listed on the sticker located on the telephone instrument using all 10 digits. (These telephone numbers are also listed in the VEGP Emergency Response Telephone Directory).

5.2.2.2 To test system operability, per Data Sheet 4 of this procedure, lift the receiver and place a call to the NRC Headquarters Operations Officer and request a call back.

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5.3 HEALTH PHYSICS NETWORK (HPN)

- 5.3.1 Intended use is to transmit Health Physics and environmental information from the TSC and EOF to the NRC during radiological emergencies.
- 5.3.2 Uses FTS 2001 telephone service, which will be connected to a HPN conference bridge at NRC Operations Center. Operation is identical to ENS (section 5.2.2.1).

5.4 REACTOR SAFETY COUNTERPART LINK (RSCL)

- 5.4.1 This is the FTS channel by which the NRC Operations Center supports the NRC reactor safety personnel in the TSC and EOF. This channel is established initially with the NRC base team, and then with the NRC site team representatives once they arrive at the site. In addition, this link may also be used for discussion between the Reactor Safety Team Director and licensee plant management at the site.
- 5.4.2 Uses FTS 2001 telephone service, which may be connected to a conference bridge at NRC Operations Center. Operation is identical to ENS (section 5.2.2.1).

5.5 PROTECTIVE MEASURES COUNTERPART LINK (PMCL)

- 5.5.1 This is the FTS channel by which the NRC Operations Center supports the NRC protective measures personnel in the TSC and EOF. This channel is established initially with the NRC base team, and then with the NRC site team representatives once they arrive at the site. This channel may be used to conduct internal NRC discussion on radiological releases and meteorological conditions, and the need for protective actions separate from the licensee and without interfering with the exchange of information between the licensee and NRC. In addition, this link may be also used for discussion between the Protective Measures Team Director and licensee plant management at the site.
- 5.5.2 Uses FTS 2001 telephone service, which may be connected to a conference bridge at NRC Operations Center. Operation is identical to ENS (section 5.2.2.1).

5.6 MANAGEMENT COUNTERPART LINK (MCL)

- 5.6.1 This is a FTS channel established by the NRC for any internal discussions between the Executive Team Director or Executive Team members and the NRC Director of Site Operations or top level licensee management in the EOF.
- 5.6.2 Uses FTS 2001 telephone service, which may be connected to a conference bridge at NRC Operations Center. Operation is identical to ENS (section 5.2.2.1).

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5.7 LOCAL AREA NETWORK (LAN)

5.7.1 This is a computer modem link from the EOF using an FTS channel established with the NRC base team and the NRC site team for access to any of the products or services provided on the NRC Operations Center's local area network. This includes technical projections, press releases, status reports, E-mail, and various computerized analytical tools.

5.7.2 Uses FTS 2001 telephone service.

5.7.3 To test the circuit operability, lift the receiver and place a call to any other FTS telephone and request a call back.

5.8 EMERGENCY RESPONSE DATA SYSTEM (ERDS) COMPUTER AND COMMUNICATIONS LINK

5.8.1 The ERDS Computer System consists of two fully redundant computer systems (Unit 1 and Unit 2). When activated, they will retrieve information from the Integrated Plant Computer System (IPC) and transmit it over the dedicated ERDS telephone lines to the NRC.

5.8.2 Uses FTS 2001 telephone service as the communications link.

5.8.3 Test the computer systems in accordance with Data Sheet 7 and test the communications circuits in accordance with Data Sheet 4.

5.9 EMERGENCY RECALL SYSTEM

5.9.1 The system consists of a computer controlled automatic dialing system, which will call pre-designated phone numbers and play a pre-recorded message. It will also activate pagers and respond to incoming calls.

5.9.1.1 Intended use is to notify off-duty emergency response personnel to augment the on-shift emergency organization.

5.9.1.2 Uses standard commercial telephone service and plant PBX service.

5.9.1.3 To activate the system initiate a recall using Attachment B in Procedure 91704-C, "Actions For Security During A Radiological Emergency".

5.9.2 Emergency Recall System Instructions

5.9.2.1 The Emergency Recall System will call home phone numbers and pagers of pre-designated emergency response organization (ERO) personnel. The system will play a recorded message, which directs personnel to react to a test, drill, or actual emergency. The system may ask the person called a series of questions (i.e. social security number, fitness for duty, will the person called return to the site.)

The Emergency Recall System will call home or work numbers until all emergency positions are filled or until the system has called each non-responsive phone number a predetermined number of times.

5.9.2.2 When utilizing the pagers during a recall notification, the numbers displayed on the pager will be **three 3's** and a call-in number for a test and drill or **three 9's** and a call-in number for an actual recall. The call-in number will deliver the same message that the emergency recall system uses when it calls home phones. The caller should follow the instructions of the pre-recorded message.

5.9.2.3 Sample message for outgoing and incoming calls with expected action.

TYPE	PAGER INDICATION	MESSAGE TEXT	ACTION
Actual Recall	999 + call in number	Hello, this is the Plant Vogtle emergency notification system.. Please enter your nine digit social security number now. Are you coming to the plant now?	(1) Enter nine digit social security number. (2) Acknowledge question. (3) Proceed immediately to the site.

5.9.2.4 Site Recall Telephone Number to be displayed on pagers: 706-826-3520

5.9.2.5 If the emergency recall system fails, the security personnel will initiate a backup-recall system using Attachment B in Procedure 91704-C, "Actions For Security During A Radiological Emergency". The backup recall system operates the same as the primary recall system with the exception of the recall telephone number displayed on the pagers and the required input of a plant identification number (4759) by personnel calling into the system. The recall telephone number for the backup-recall system displayed on the pagers will be 800-475-9704. This number is the Dialogic Communications Corporation number in Franklin, Tennessee where the backup recall system is located.

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5.10 DEDICATED TELEPHONES

5.10.1 Characteristics

5.10.1.1 Dedicated telephones may either be administratively dedicated or wired as hotlines.

5.10.1.2 Administratively dedicated telephones are capable of normal communications with other telephones but have been administratively assigned between certain locations to ensure that the link is always available. Administratively dedicated telephones are located in the Control Room, TSC, OSC and EOF.

5.10.1.3 Hotlines are physically dedicated and other phones cannot communicate in the loop.

5.10.1.4 Hotline locations

a. ENN - See Subsection 5.1.

b. Hotlines to the ENC are located in the EOF.

5.10.2 Operation

5.10.2.1 The ENC hotlines require only the lifting of the handset from the cradle. This action causes the other phones in the circuit to ring.

5.10.2.2 Administratively dedicated lines require the dialing of the appropriate extension or extensions, thus establishing the dedicated circuit. An extension not administratively assigned to the loop will not be called on these lines.

5.11 RADIO SYSTEM

5.11.1 Characteristics

5.11.1.1 The radio system consists of several base stations and the associated cabling and antennas strategically located to afford the best possible coverage and accessibility with respect to maintenance, security and uninterrupted power.

5.11.1.2 For control of the base station, remotes are used in selected facilities. Some remotes are capable of channel selection as well as volume control. A Push-To-Talk (PTT) button allows transmission of messages as well as receipt when the button is released.

5.11.1.3 The operator must first listen to the selected channel to ensure that it is free of radio traffic before transmitting.

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5.11.1.4 Hand-held radios form another part of the radio system. These are small portable radios capable of one or several channels. They are battery operated and the batteries must be changed monthly to assure proper operation.

5.11.1.5 Mobile radios are mounted in vehicles and use a 12V DC power source supplied by the vehicle's battery. Mobile radios are capable of one or several channels and have an external antenna mounted on the vehicle. Radio controls such as volume, channel selection and microphone are provided.

5.11.1.6 In-plant Radio

- a. Used for communications with in-plant Radiological Emergency Teams (RETs)
- b. Pre-programmed Channels within a Department - (1-Ops, 2-HP, 3-Mech, 4-Elec/I&C, 5-FMT/REX)
- c. RETs will use hand-held units
- d. Facility locations
 - (1) Control Room (Remote Terminal)
 - (2) TSC (hand held)
 - (3) OSC (hand held)

5.11.1.7 Field Monitoring Team Radio

- a. Used as a back-up communications with Field Monitoring Teams
- b. Pre-programmed Channel - 5- FMT/REX
- c. Field Monitoring Teams will use mobile radios available in vehicles or hand-held units if needed.
- d. Facility locations
 - (1) TSC (Remote Terminal)
 - (2) EOF (Remote Terminal)

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5.11.1.8 Burke County Emergency Management Radio

- a. Used as a back-up to the ENN
- b. Frequency - 39.98 MHz
- c. Locations
 - (1) TSC (Remote unit)
 - (2) EOF (Remote unit)
 - (3) Burke County EOC

5.11.1.9 South Carolina Emergency Preparedness Division Radio

- a. Used as a back-up to the ENN.
- b. Frequency - 45.08 MHz and 45.480 MHz
- c. To communicate with South Carolina EPD use Frequency 2, PL 2
- d. The VEGP "call sign" is WNGI-434
- e. The South Carolina EPD "call sign" is WBS-264
- f. Locations
 - (1) TSC (Remote unit)
 - (2) EOF (Remote unit)
 - (3) South Carolina SEOC

5.11.2 Operation

5.11.2.1 Turn on radio, if appropriate.

5.11.2.2 Ensure speaker mute light is OFF, if appropriate.

5.11.2.3 The radio operator first must monitor the channel for radio traffic in progress. Transmitting, when others are transmitting on the same channel, renders all messages unintelligible.

- 5.11.2.4 To transmit, the operator, depresses the PTT button marked with a lightning bolt symbol and calls the desired station.
- 5.11.2.5 To receive, the PTT button must not be depressed.
- 5.11.2.6 To test operability, conduct a radio check with another operator.

5.12 CONFERENCE BRIDGES

5.12.1 Characteristics - Vogtle Bridge

The Conference Bridge is a Digital Conferencing Switching System (DCSS). Access into the bridge is from any dial phone.

- 5.12.2 There are multiple established emergency conference circuits setup on the DCSS conference bridge. They act as:
- a. Plant Status Loop
 - b. Plant Management Conference Bridge
 - c. Backup for major failure of the ENN.
 - d. Administrative Decision Line (ADL) - Links all EOC's except Burke County EOC. The ADL is used by the State of South Carolina to coordinate protective actions with the State of Georgia, SRS, and Aiken, Allendale, and Barnwell counties.

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5.12.3 For the plant status Conference Bridge, status board keepers are equipped with a headset and boom mike to facilitate mobility, and hands-free operation.

5.12.4 To add a party to the conference bridge, press the “#” key and then the “6” key. After you receive a dial tone, dial the number of the party you wish to add. Press the “#” key again to add that party to the conference bridge. To return yourself to the conference bridge, press the “#” key again.

5.12.4.1 To mute your line press the “#” key and then the “8” key; to unmute your line press “#” key and then the “9” key.

5.12.5.1 Operation

5.12.5.1.1 Plant Status Loop Conference Bridge

- a. A status board keeper in each facility dons the headset and dials into the bridge to establish communications. The telephone number is listed in the Emergency Response Telephone Directory.
- b. Updates to plant status shall be passed over the conference bridge to ensure consistency among facilities.
- c. Plant Status Loop operation requires calling the DCSS by dialing (3145) from a plant extension or (1-706-826-3145) from an outside line. Listen to the automated instructions of the DCSS. When asked for a **CONFERENCE CODE**, enter “3951”.
- d. Within a few seconds you will hear beeping tones. These tones indicate that someone is entering or leaving the conference bridge call. Tell the answering parties to standby for conference communications.

5.12.5.1.2 Plant Management Conference Bridge

- a. The Emergency Director (ED) controls use of the plant management conference bridge. The ED directs a communicator to establish the plant management conference. The conference extension and code is the conference extension and code that is used on a daily basis.
- b. The communicator calls the TSC Manager, OSC Manager, Corporate Emergency Operations Center (CEOC) and Shift Superintendent and requests that they stand by for a conference with the ED on the plant management bridge.

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- c. All parties, including the ED communicator, dial the designated number and establish communications.
- d. When all parties are on the conference line, the communicator informs the ED and EOF Manager that the plant management conference has been established.

5.12.5.1.3 Backup ENN

- a. Call the (DCSS) Conference Bridge Computer by dialing (3145) from a plant extension or (1-706-826-3145) from an outside line. Listen to the automated instructions of the conference bridge computer. When asked for a **CONFERENCE CODE**, enter "3356".
- b. Within a few seconds you will hear beeping tones. These tones indicate that someone is entering or leaving the conference bridge call. Tell the answering parties to standby for a roll call.

5.12.5.1.4 ADL

- a. ADL operation requires calling the DCSS by dialing (3145) from a plant extension or (1-706-826-3145) from an outside line. Listen to the automated instructions of the DCSS. When asked for a **CONFERENCE CODE**, enter "3901".
- b. Within a few seconds you will hear beeping tones. These tones indicate that someone is entering or leaving the conference bridge call. Tell the answering parties to standby for an ADL conference.

5.13 FACSIMILE TRANSMISSION SYSTEMS

5.13.1 Individual units of various manufacturers.

5.13.1.1 Location

- a. Control Room (CR)
- b. TSC
- c. EOF
- d. SRS
- e. GEMA EOC

- f. Burke County EOC
- g. NRC
- h. South Carolina EPD SEOC
- i. Aiken County EOC
- j. Barnwell County EOC
- k. Allendale County EOC
- l. Aiken County Sheriff Dispatch
- m. Allendale County Central Dispatch
- n. Barnwell County Sheriff Dispatch
- o. CEOC - Birmingham
- p. Secondary Alarm Station
- q. OSC

5.13.1.2 Operation

5.13.1.2.1 Intended use is for emergency notification. This is done in conjunction with the ENN to the states and local emergency response agencies.

5.13.1.2.2 Each individual fax machine is programmed for serial faxing via the Single Button Dial feature.

- a. Load the document into the facsimile machines (face down).
- b. Depress the appropriately coded key on the facsimile machine (Single button dial).
- c. The document will be sent to the pre-designated locations.

5.13.1.2.3 To send a fax to a single location using the Coded Speed Dial function, perform the following:

- a. Load documents into facsimile machine (face down).
- b. Depress the "Coded Dial" button.
- c. Enter the two digit Coded Speed Dial number for the designated location. (Reference list attached to each individual machine)
- d. Fax Machine will automatically start faxing to designated location.

5.13.1.2.4. Back-Up Facsimiles

Because each individual fax machine is "stand alone", all programmed serial fax machines in the Emergency Response Facilities may be used for Back-Up Notification purposes.

5.14 SOUND POWERED PHONES

5.14.1 The Sound Powered Phone System is a voice activated communications system that requires no external power supply for operation.

5.14.2 Three unitized systems are provided as follows:

- a. A loop sound-powered system is provided for refueling.
- b. A loop sound-powered system is provided for maintaining a cold shutdown condition following a control room evacuation.
- c. A multi-loop system is provided throughout the plant for startup and maintenance testing.

5.14.3 The Sound Powered Phone System is tested in accordance with operations procedure 14999-C "Quarterly Performance Check for Communications Equipment Required in Shutdown Locations".

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5.15 COMMUNICATION SYSTEMS TESTS

5.15.1 Emergency Notification Network (ENN)

The ENN is tested monthly and quarterly as shown in Data Sheets 1 and 5.

5.15.2 Federal Telecommunications System (FTS)

The FTS lines are tested monthly (M) or quarterly (Q) as indicated utilizing Data Sheet 4. Circuits tested are:

- a. ENS (M)
- b. HPN (M)
- c. RSCL (Q)
- d. PMCL (Q)
- e. ERDS (Q)
- f. MCL (Q)
- g. LAN (Q)

5.15.3 Emergency Response Data System (ERDS) Computers

The ERDS Computers are tested quarterly utilizing Data Sheet 7.

5.15.4 ENC Hotlines

The ENC Hotlines are checked quarterly utilizing Data Sheet 6.

5.15.5 Emergency Response Facility (ERF) Telephone Systems

The ERF's telephone system will be checked quarterly utilizing Data Sheet 6.

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5.15.6 Radios

Radios (hand-held, remote and mobile) will be checked monthly and quarterly utilizing Data Sheets 2 and 8.

5.15.7 Emergency Recall System

The Emergency Recall System will be checked monthly utilizing Data Sheet 3 and quarterly utilizing Data Sheet 5.

5.15.8 Conference Bridges

The established Conference Bridge circuits will be checked monthly utilizing Data Sheet 2 and quarterly utilizing Data Sheets 5 and 6.

5.15.9 Facsimile Machines

5.15.9.1 The EOF, TSC, and Control Room Facsimile machines will be tested monthly and quarterly utilizing Data Sheet 2 & 6.

5.15.10 Uninterruptable Power Supplies (UPS)

The EOF uninterruptable power supplies will be checked monthly utilizing Data Sheet 2.

5.16 TEST RESULTS

5.16.1 The Emergency Preparedness Coordinator (EPC) shall review, sign and date the Data Sheets.

5.16.2 The EPC shall be responsible for notifying the appropriate department(s) to repair inoperable equipment.

5.16.3 Whenever equipment or a system is found inoperable, the applicable section(s) of the Data Sheet(s) shall be completed. The documentation for the repair and retest of the inoperable equipment or systems will be documented on Data Sheet 9.

Satisfactorily completion of "NO TEST" situations will also be documented on Data Sheet 9.

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5.16.4 The Shift Superintendent shall be notified and advised to notify the NRC operations center of failures and repairs (returned to service) to the following equipment:

- a. If ENS circuit(s) are found to be inoperable and commercial communication circuits (i.e., Bell Lines, Southern Communications dial 8 capabilities, Southern LINC, Cellular Phone, etc.) are available, no 10CFR50.72 b.v notification is required. A log entry shall be made in the Control Room log and NRC notified of the failed circuit(s) within 8 hours of discovery.
- b. Any of the following FTS 2001 circuits or equipment (with exception of the ENS as in a. above) HPN, RSCL, PMCL, MCL (EOF Only), ERDS, or LAN (EOF Only) at either the TSC or the EOF. No time limit is required for notification of the NRC. Notification to be made to the NRC Operations Center on commercial or FTS circuits.
- c. Complete failure of the ENN and the access to the offsite commercial telephone network (Southern Company Communications System and commercial telephones) constitutes an NOUE in accordance with procedure 91001-C, "Emergency Classification And Implementing Instructions."

5.17 OFFSITE PUBLIC NOTIFICATION SIREN SYSTEM

5.17.1 Operation

5.17.2 The Siren System is operated in accordance with procedures issued by Burke County Emergency Management Agency (EMA) and Barnwell County Emergency Management Agency.

5.17.3 Siren Tests

5.17.3.1 An annual Siren system test will be conducted jointly with VEGP, Burke County EMA and Barnwell County EMA. This test will be a full activation test. The public will receive advance notification of the tests. Reports of siren failures or inadequate coverage will be investigated by the EPC. Activation of each siren will be verified by the Whelen Status Monitoring Radio Feedback computer (WSMRFC).

5.17.3.2 A weekly Siren operability test will be conducted jointly with VEGP, Burke County EMA and Barnwell County EMA. This operability test will include clearing the siren counters, conducting a silent test and polling the sirens for a status request. Telecommunications and Emergency Preparedness personnel will verify operability of the sirens.

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5.18 SOUTHERN LINC PHONES

5.18.1 Southern LINC Phone And Radio System Operation.

5.18.1.1 Radio Mode Of Operation.

The basic mode of operation of the Southern LINC system is in the radio mode. Radio calls can be made from anywhere in the Southern Company service area to anywhere in the Southern Company service area. Radio calls cannot be made or received from outside the Southern Company service area.

5.18.1.2 Phone Mode of Operation. (for radios that are programmed for phone operation)

Another way of operating the system is similar to a cellular phone. Phone calls can be made or received from anywhere in the Southern Company service area to or from any telephone anywhere. Phone calls cannot be made or received from a Southern LINC outside the Southern Company service area.

5.18.1.3 Paging Mode Of Operation. (For radio's that subscribe to paging)

- a. The radio can also be an alpha-numeric pager that can receive up to 140 characters of text. Pages can be received anywhere in the Southern Company service area. Pages can be sent from any computer that has access to the internet or from any computer sending E-mail or from any telephone.

5.18.1.4 Southern LINC Fleets

- a. Southern LINC radios at VEGP are grouped in several fleets. Examples of these fleets are listed below:

- Southern Nuclear fleet (Vogtle-VNP, Hatch-HNP and Farley-FNP)
- Alabama Emergency Management Agency fleet
- Georgia Emergency Management Agency fleet
- Alabama Power Company fleet

- b. Radios can only communicate as radios with other radios in the same fleet. Phone calls can be made to radios in other fleets that are equipped with phone capabilities

5.18.2 Southern LINC Phone And Radio System Operation

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NOTE

All talk groups are not available on all radios. The pre-defined set of individuals who share communications were programmed by Southern LINC. This is not a user programming function.

5.18.2.1 Plant Vogtle Designated Talk Groups.

a. Plant Vogtle has established different talk groups within the SNC fleet that can be used in support of Vogtle Emergency Planning. These groups are as follows:

- Group 41, Emergency Notification Network (VNP ENN)
- Group 42, Management group (VNP MGMT)
- Group 44, Public Information group (PI)
- Group 45, Field Monitoring Team group (FMT)
- Group 10, SNC Emergency Planning group (SNCEP)

NOTE

Use of the radio system in group or private is preferred over using the system in the phone mode due to system efficiency and cost effectiveness

5.18.2.2 Operation Of The Push To Talk (PTT)

For Radio Transmissions, press and hold the Push To Talk (PTT) to talk, wait for the chirp tone before speaking, and release the PTT to listen. A high, chirp-like tone indicates that you have permission to talk, a low, continuous tone indicates that you cannot talk at this time, a busy-like tone indicates that the system is busy. A time-out timer limits the amount of time you can continuously talk. When the allotted time expires, you will hear a low-pitched cut-off tone.

5.18.2.3 Placing and Receiving Group/Private Radio Calls

- a. To place A Group Radio Call, select Group Mode and operate the PTT button to make the call.
- b. To receive A Group Radio Call no action is required. Operate the PTT to respond to the call.

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- c. To place a Private Radio Call, Select Private Mode, Select radio to be called and Operate the PTT button
- d. To receive A Private Radio Call no action is required Operate the PTT button to respond to the call.

5.18.2.4 Placing and Receiving Phone Calls

- a. To answer a phone call press the send button.
- b. To terminate calls push the end button
- c. To place a Phone Call Select Phone Mode, select the phone number to be called. by memory scroll, direct input or alpha search. and press the send button

5.18.3 Southern LINC Base Phone/Radio Locations

- a. Onsite (Control Room, TSC, EOF, Simulator)
- b. Offsite (Aiken County EOC and Warning Point, Allendale County EOC and Warning Point, Barnwell County EOC and Warning Point, Savannah River Site EOC, Burke County EMA Dispatch, and GEMA Communications Center.

5.18.4 Southern LINC Portable Phone/Radios

Designated plant personnel and management are assigned portable Southern LINC to support operations.

5.18.5 Southern LINC Portable Field Monitoring Team (FMT) Radios

FMT personnel use mobile radios for communications with FMT Communicators.

NOTE

There are no batteries associated with the portable FMT radios. They must be powered from the cigarette lighter of the vehicle used for the FMT.

5.18.5.1 Operation of the Southern LINC Portable FMT Radios

- a. Obtain radios from the FMT kits.



- b. Mount the magnetic antenna on the roof of the vehicle and route the cable into the vehicle. It is permissible to have the door shut on the antenna cable.
- c. After plugging in the radio to the cigarette lighter, turn the radio on by pushing and holding the ON/OFF button on the inside of the volume knob, above the microphone connection. The button must be held until a red light comes in the display. This may take up to 15 seconds. If the light does not come on, check the connections and try again. It can take up to 30 additional seconds for the radio to finish its startup checks.
- d. Verify that the radio displays "T1". This is talk group 1, the FMT talk group. If talk groups are not displayed, push the PRVT push button until a "T" with a number behind it is displayed. If necessary, push the up or down TG buttons until "T1" is displayed.
- e. If the arrow above the "Wide" pushbutton is not displayed, push the WIDE pushbutton until the arrow is displayed.
- f. No action is required to receive a group call. The radio will automatically switch to the group mode for T1, if it was in any other mode. Adjust the speaker volume with the volume control knob, if necessary. Operate the PPT button on the mike to respond. Wait for the chirp to start talking. Upon pressing the PTT button, you will hear one of the following alert tones.
 - A high, chirp-like tone indicates that you have permission to talk. Begin speaking after the tone.
 - A low, continuous tone indicates that you cannot talk at this time. Wait a moment and try again.
 - A busy-like tone indicates that the system is busy. Wait for a call-back (high pitched) tone, then try again.
- g. To place a group call, select group T1 as described above and use the PTT on the mike to place a call. Wait for the chirp tone to start talking.

5.19 RECORDS RETENTION

The EPC shall retain records of all communications tests for one year.

5.20 MISSED COMMUNICATION TEST SURVEILLANCE

The EPC shall notify the Manager Plant Training and Emergency Preparedness in writing if any required test are not completed in the year, quarter or month for which they were scheduled.

6.0 REFERENCES

6.1 VEGP EMERGENCY PLAN

6.2 PROCEDURES

- 6.2.1 00004-C, "Plant Communications"
- 6.2.2 00152-C, "Federal and State Reporting Requirements"
- 6.2.3 14999-C, "Quarterly Performance Check for Communications Equipment Required in Shutdown Locations"
- 6.2.4 91002-C, "Emergency Notifications"
- 6.2.5 91704-C, "Actions For Security During A Radiological Emergency"
- 6.2.6 70201-C, "Emergency Alert Siren Performance Test"
- 6.3 NUREG-0654, FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 6.4 NUREG-0696, "Functional Criteria for Emergency Response Facilities"
- 6.5 NUREG-0737, Supplement No. 1, "Requirements for Emergency Response Capability"
- 6.6 NRC Generic Letter 93-01 - "Emergency Response Data System Test Program"
- 6.7 FSAR, Section 9.5.2
- 6.8 NUREG-1022, "Event Reporting Guidelines 10 CFR 50.72 and 50.73"

END OF PROCEDURE TEXT



**TABLE 1
CONTROL ROOM COMMUNICATION LINKS**

A. Shift Superintendent/Shift Supervisor/Emergency Director

TYPE	CONNECTS TO	INTENDED USE
ENN	See Section 5.1	Initial notification and change in status.
ENS	1. NRC Operations Center via FTS	Initial notifications and updates to the NRC.
VEGP Dial	1. TSC 2. EOF 3. OSC 4. CEOC 5. Back-Up EOF	Plant status conference line and general use.
Dedicated Dial	1. TSC 2. EOF 3. Back-Up EOF 4. OSC	Administratively dedicated.
Bell Dial	1. General use	Telephone for general use and back-up for hotlines and notifications.
In-plant Radio Remote	1. OSC 2. TSC 3. Radiological Emergency Teams (RETs)	Radio for communications to in-plant RETs.
Plant Page System (PA)	1. In-plant facilities	Address System for announcements to on-site personnel.
Southern Company Communication Systems	1. EOF 2. Back-Up EOF 3. Emergency News Center 4. CEOC	Telephone for general use and back-up for Bell lines.
Facsimile	1. Offsite Agencies	Provide hardcopy notifications.
Southern LINC	1. Offsite Agencies 2. General use	Notification and change in plant status



TABLE 2
TECHNICAL SUPPORT CENTER COMMUNICATION LINKS

A. Emergency Director

TYPE	CONNECTS TO	INTENDED USE
ENN	See Section 5.1	Initial notification and change in status.
ENS	1. NRC Operations Center via FTS	Initial notifications and updates to the NRC.
VEGP Dial	1. EOF 2. Control Room 3. OSC 4. CEOC 5. Back-Up EOF	Plant management conference and general use.
Dedicated Dial	1. Control Room 2. OSC 3. EOF 4. Back-Up EOF	Administratively dedicated.
Bell Dial	1. General Use	General use telephone. Also used as back-up to dedicated phones.
Burke County Radio Remote	1. Burke County EOC 2. EOF	Back-up notification, status change, and coordination.
South Carolina Radio Remote	1. SC SEOC 2. EOF	Back-up notification, status change, coordination.
In-plant Radio	1. Control Room 2. OSC 3. Radiological Emergency Teams (RETs)	Direction and control of Emergency Teams.

TABLE 2 (CONT'D)
TECHNICAL SUPPORT CENTER COMMUNICATION LINKS

A. Emergency Director (Cont'd)

TYPE	CONNECTS TO	INTENDED USE
Southern Company Communication Systems	1. EOF 2. Back-Up EOF 3. CEOC	Telephone for general use and back-up for Bell lines.
Plant Page	1. In-Plant Facilities	

B. TSC Manager

TYPE	CONNECTS TO	INTENDED USE
Same as Emergency Director.		

C. Engineering Supervisor

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

D. Maintenance Supervisor

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Dedicated Dial (extension)	1. OSC	Administratively dedicated. Provides link for coordination of emergency teams.

E. Support Coordinator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Bell Dial	1. General Use	Telephone for offsite general use.

TABLE 2 (CONT'D)
TECHNICAL SUPPORT CENTER COMMUNICATION LINKS

F. Health Physics Supervisor

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial (2)	1. General Use	Telephone for general use.
Bell Dial	1. SRS	Provides communication line for VEGP/SRS HP coordination.

G. Engineering Support

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

H. Status Loop Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. Control Room 2. EOF 3. OSC 4. CEOC 5. Backup EOF	Plant Status Loop Conference Bridge. Administratively dedicated. Provides coordinating communications link for updating plant status.

I. ENN Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Southern LINC	1. Offsite Agencies 2. General use	Notification and change in plant status

TABLE 2 (CONT'D)
TECHNICAL SUPPORT CENTER COMMUNICATION LINKS

J. NRC

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
ENS	1. NRC Operations Center via FTS	Telephone used for notification, change in status and coordination.
HPN	1. NRC Operations Center via FTS	Health Physics coordination.
RSCL	1. NRC Operations Center via FTS	Support NRC reactor safety personnel.
PMCL	1. NRC Operations Center via FTS	Support NRC protective measures personnel.
ERDS	1. NRC Operations Center via FTS	Plant parametric data transferred to NRC Operations Center.

K. Survey Team Communicator

TYPE	CONNECTS TO	INTENDED USE
Radio Remote (for Channel #5)	1. Field Monitoring Teams 2. EOF	Radio link providing direction and control to the Field Monitoring Teams.

L. Miscellaneous Telephone Circuits

TYPE	CONNECTS TO	INTENDED USE
Facsimile Circuit	1. EOF 2. Offsite Agencies	Provides hardcopy.

TABLE 3
OPERATIONS SUPPORT CENTER COMMUNICATION LINKS

A. OSC Manager

TYPE	CONNECTS TO	INTENDED USE
Dedicated Dial	1. EOF 2. TSC 3. CR	Administratively dedicated.
VEGP Dial	1. General Use	Telephone for general use, and back-up to dedicated phones.
Bell Dial	1. General Use	Telephone for general use.
In-plant Radio	1. Control Room 2. TSC 3. In-plant RETs	Radio for communications to in-plant RETs.
Plant Page System	In-plant facilities	

B. Lab Foreman

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

C. Mechanical Foreman

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

D. Electrical Foreman

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

E. I&C Foreman

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.

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TABLE 3 (CONT'D)
OPERATIONS SUPPORT CENTER COMMUNICATION LINKS

F. Status Loop Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	<ol style="list-style-type: none">1. Control Room2. EOF3. TSC4. CEOC5. Backup EOF	Plant Status Loop Conference Bridge. Administratively dedicated. Provides coordinating communications link for updating plant status.

TABLE 4
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS

A. Emergency Director

TYPE	CONNECTS TO	INTENDED USE
ENN	See Section 5.1	Initial notification and change in status.
ENS	1. NRC Operations Center via FTS	Initial notifications and updates to the NRC.
Dedicated Dial	1. TSC 2. OSC 3. Control Room	Administratively dedicated. Links EOF and TSC, OSC and Control Room.
Dedicated Dial	1. Control Room	Administratively dedicated. Links EOF and CR.
Administrative Decision Line (ADL) Conference	1. GEMA FEOC 2. GEMA SEOC 3. South Carolina SEOC 4. SRS EOC 5. Aiken, Allendale, and Barnwell County EOC's	High level decision communications.
VEGP Dial	1. General Use	Telephone for general use and back-up to dedicated circuits.
Bell Dial	1. General Use	Telephone for general use and back-up to outside circuits.
Burke County Radio Remote	1. Burke County EOC 2. TSC	Back-Up for ENN.
South Carolina Radio Remote	1. SC SEOC 2. TSC	Back-Up for ENN.

TABLE 4 (CONT'D)
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS

B. EOF Manager

TYPE	CONNECTS TO	INTENDED USE
Same as Emergency Director.		

C. Dose Assessment Manager

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. HP Office 2. TSC 3. OSC	Provides a line of communications for HP coordination.
VEGP Dial	1. General Use	Telephone for general use.
Bell Dial	1. SRS Operations Center	Provides telephone capability for HP coordination.

D. Dose Analyst

TYPE	CONNECTS TO	INTENDED USE
Same as Dose Assessment Manager.		

E. Support Coordinator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial (2)	1. General Use	Telephone for general use.
Bell Dial	1. General Use	Telephone for offsite general use.

TABLE 4 (CONT'D)
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS

F. Survey Team Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Radio Remote (for Channel #5)	1. Field Monitoring Team 2. TSC	Direction and control of Field Monitoring Teams.

G. Status Loop Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. Control Room 2. TSC 3. OSC 4. CEOC	Administratively dedicated. Provides coordinating communication link for updating plant status.

**TABLE 4 (CONT'D)
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS**

H. Burke County Representative

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. Burke County EOC	Provides coordinating communication link for offsite response.
Burke County Radio Remote	1. Burke County EOC	Radio back-up to Bell Dial.

I. GEMA Representative

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. GEMA EOC/FEOC	Provides coordinating communication link for offsite state response.

J. DNR Representative

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.
Southern Company Communications	1. DNR Offices 2. Burke County EOC	Radio communication with DNR Survey teams.
VEGP Dial	1. GEMA EOC/FEOC	Computer modem

K. SC EPD Representative

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. South Carolina SEOC	Provides coordinating communication link for updating plant status.
South Carolina Radio Remote	1. South Carolina SEOC	Radio back-up to Bell Dial.



**TABLE 4 (CONT'D)
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS**

L. SRS Representative

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. SRS	Provides coordinating communication link for updating plant status.

M. NRC

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use and computer modem.
ENS	1. NRC Operations Center via FTS	Telephone used for notification, change in status and coordination.
HPN	1. NRC Operations Center via FTS	Health Physics coordination.
RSCL	1. NRC Operations Center via FTS	Support NRC reactor safety personnel.
PMCL	1. NRC Operations Center via FTS	Support NRC protective measures personnel.
MCL	1. NRC Operations Center via FTS	NRC internal management conference.
LAN	1. NRC Operations Center via FTS	NRC Operations Center local area network.
Bell Dial	1. General Use	General Use and back-up for FTS lines.

N. FEMA

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Bell telephones for general use.

TABLE 4 (CONT'D)
EMERGENCY OPERATIONS FACILITY COMMUNICATION LINKS

O. Miscellaneous Telephone Circuits

TYPE	CONNECTS TO	INTENDED USE
Facsimile Circuits		Provides hardcopy transmission.

P. ENN Communicator

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Southern LINC	1. Offsite Agencies 2. General use	Notification and change in plant status

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TABLE 5
BACK-UP EOF COMMUNICATIONS LINKS

TYPE	CONNECTS TO	INTENDED USE
ENN	See Section 5.1	Initial notification and change in status.
VEGP Dial	1. Control Room 2. TSC 3. OSC 4. EOF	Plant Status Loop Conference Bridge.
Dedicated Dial	1. Control Room 2. TSC 3. OSC	Administratively dedicated telephone.
Southern Company Communications	1. CEOC 2. Control Room 3. TSC 4. EOF 5. Emergency News Center 6. OSC	Telephone for general Telephone for general and back-up for Bell lines.
Bell Dial	1. SRS 2. EOC 3. Burke County EOC 4. GEMA EOC 5. DNR and Emergency News Center 6. South Carolina SEOC 7. Aiken County EOC 8. Barnwell County EOC	Telephone for general use and back-up for hotlines.
Facsimile Circuit		Provides hardcopy



TABLE 6
EMERGENCY NEWS CENTER COMMUNICATIONS LINKS

A. Public Information Director

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.
Southern Company Communications	1. ERC	Internal corporate telephone system.
VEGP Dial	1. General Use	Telephone for general use.

B. Media Relations Director

TYPE	CONNECTS TO	INTENDED USE
Bell Dial (Extension)	1. General Use	Facility Director telephone extension for general use.

C. Clerical Comm.

TYPE	CONNECTS TO	INTENDED USE
Bell Dial (Extension)	1. General Use and facsimile	Fax verification.

D. (Rumor Control)

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. Rumor Control	Provide rumor control call-in phone.

E. Company Spokesperson

TYPE	CONNECTS TO	INTENDED USE
VEGP Dial	1. General Use	Telephone for general use.
Ring down to EOF	1. Technical Assistant	Receipt of technical information.

TABLE 6 (CONT'D)
EMERGENCY NEWS CENTER COMMUNICATIONS LINKS

F. ENC Security

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.
Bell Dial	1. General Use	Telephone for general use.

G. NRC

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.
Ring down to EOF	1. EOF NRC	NRC communication to plant site.

H. FEMA

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

I. GEMA

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

J. Burke County

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

TABLE 6 (CONT'D)
EMERGENCY NEWS CENTER COMMUNICATIONS LINKS

K. South Carolina

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

L. Aiken County

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

M. Barnwell County

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

N. Allendale County

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Telephone for general use.

O. Media

TYPE	CONNECTS TO	INTENDED USE
Bell Dial (5)	1. General Use	Telephone for general use.

P. Agency Work Area (Offsite Agencies)

TYPE	CONNECTS TO	INTENDED USE
Bell Dial	1. General Use	Agency general use.

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TABLE 7
EMERGENCY COMMUNICATIONS POWER SUPPLIES

Emergency Communication System Power supplies listed by system in ascending order from normal sources. Alternate sources listed in parenthesis.

CR ENN/FAX	TSC ENN	PLANT PBX
UPS 1-1702-Y3-001	UPS A-1702-Y3-003	UPS
1NLP36-10	ANLP83-13	MCC S2-4C
1NBR	ANBU	ANB08
1NB10	ANB11	ANA03
1BA03	ANA03	
(1B DIESEL)	1NA04	
	(SECURITY DIESEL) 2NA04	

EOF ENN	STATUS LOOP CONFERENCE BRIDGE
UPS A-1702-Y3-001	UPS A-1702-Y3-004
EOF PANEL RF-43	RP-S1T #12

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EMERGENCY RESPONSE COMMUNICATIONS

DATA SHEET 1
COMMUNICATIONS SYSTEMS TESTING

MONTHLY TEST OF ENN

- I.** Perform the following from the Control Room, EOF or TSC:
1. Lift the receiver on the ENN telephone and call the locations in Section II below.
 2. Record acknowledgments of each station in Section II.
 3. Check operation of local speaker.
 4. Return handset to cradle and ensure speaker volume is adjusted to appropriate level.

NOTE

"Complete failure of the ENN may require notification of Shift Superintendent as specified in section 5.16.4 of this procedure".

II. LOCATIONS CONTACTED

		<u>SAT.</u>	<u>UNSAT.</u>	<u>NO TEST</u>
1.	Control Room	[]	[]	[]
2.	TSC	[]	[]	[]
3.	EOF	[]	[]	[]
4.	Back-Up EOF	[]	[]	[]
5.	GEMA Communications Center	[]	[]	[]
6.	Burke County EMA Dispatcher	[]	[]	[]
7.	South Carolina State Warning Point (Primary)	[]	[]	[]
8.	Aiken County Warning Point	[]	[]	[]
9.	Allendale County Warning Point	[]	[]	[]
10.	Barnwell County Warning Point	[]	[]	[]
11.	SRS Operations Center	[]	[]	[]

PERFORMED BY: _____

DATE: ____/____/____

COMMENTS: _____

REVIEWED BY: _____

DATE: ____/____/____

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DATA SHEET 2

Sheet 1 of 5

COMMUNICATIONS SYSTEMS TESTING

MONTHLY RADIO, CONFERENCE BRIDGE, FACSIMILE TEST AND EOF UPS

I. HAND HELD RADIOS

Replace the batteries with recharged batteries in each portable radio stored in the emergency kits listed below.

- A. OSC KIT - 20 Radios
- B. EOF KIT - 5 Radios
- C. TSC KIT - 4 Radios

DATE BATTERY REPLACEMENT

/	/	/
/	/	/
/	/	/

PERFORMED BY _____

II. EOF UNINTERRUPTABLE POWER SUPPLIES

Perform visual check of the following equipment for the following indications:

- A. On-Off switch - ON
- B. Output power green LED - ON
- C. Backup mode yellow LED - OFF
- D. Impending shutdown red LED - OFF
 - 1. EOF UPS for ENN

<u>SAT.</u>	<u>UNSAT.</u>
[]	[]

PERFORMED BY: _____

DATE: ____/____/____

III. MOBILE RADIOS

Check the transmission and reception of each of the mobile radios by conducting a satisfactory radio check on EP Group Channel 5 – FMT/RX on the radio installed in each of the 6 Emergency Response Vehicles (vehicles are as marked). In addition, check fuel level in each vehicle and record in comments section if <1/2 Tank. Contact appropriate department personnel.

	<u>SAT.</u>	<u>UNSAT.</u>	<u>DATE</u>
A. Vehicle Number 1	[]	[]	____/____/____
B. Vehicle Number 2	[]	[]	____/____/____
C. Vehicle Number 3	[]	[]	____/____/____
D. Vehicle Number 4	[]	[]	____/____/____
E. Vehicle Number 5	[]	[]	____/____/____
F. Vehicle Number 6	[]	[]	____/____/____

PERFORMED BY _____

COMMENTS: (Sections I - III) _____

REVIEWED BY: _____

DATE: ____/____/____

DATA SHEET 2
COMMUNICATIONS SYSTEMS TESTING

MONTHLY RADIO, CONFERENCE BRIDGE, FACSIMILE TEST AND EOF UPS

IV. CONFERENCE BRIDGE

Connect minimum of three (3) lines into the Conference Bridge (Number can be obtained from the Emergency Response Directory). Satisfactory result indicates you were able to establish communications and satisfactorily transmit information.

	<u>SAT.</u>	<u>UNSAT.</u>
• Plant Status Loop Conference Bridge	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

COMMENTS: (Section IV) _____

REVIEWED BY: _____ DATE: ____/____/____

MONTHLY EMERGENCY RESPONSE FACILITY LAN COMPUTER TESTS

V. FACILITY LAN COMPUTERS

Log into the facility computer(s) to ensure that they are running the most current version of Homerun.

	<u>SAT.</u>	<u>UNSAT.</u>	<u>DATE</u>
• Operations Support Center	[]	[]	____/____/____
• Technical Support Center	[]	[]	____/____/____
• Emergency Offsite Facility	[]	[]	____/____/____

PERFORMED BY _____

COMMENTS: (Section V) _____

REVIEWED BY: _____ DATE: ____/____/____

Approved By
J. T. Gasser



Date Approved
10/02/2001

EMERGENCY RESPONSE COMMUNICATIONS

DATA SHEET 2

COMMUNICATIONS SYSTEMS TESTING

Test
Month or Quarter

VI. SOUTHERN LINC BASE PHONE/RADIOS

Ensure the operability of the following Southern LINC Phone/Radios. Each unit should have the capability to send and receive a radio dispatch call and phone call.

		SAT.	UNSAT.	N/A
ON-SITE locations	A. EOF ENN (SNC Fleet Radio # 1410) (M)	[]	[]	
	B. EOF South Carolina (SNC Fleet Radio # 1413) (M)	[]	[]	
	C. EOF GEMA/DNR (GA Fleet # 30001) (M)	[]	[]	
	D. EOF Manager (SNC Fleet Radio # 1417) (M)	[]	[]	
	E. TSC ENN (SNC Fleet Radio # 1401) (M)	[]	[]	
	F. Control Room ENN (SNC Fleet Radio # 1401) (M)	[]	[]	
	G. Control Room (SNC Fleet Radio # 1400) (M)	[]	[]	
	H. TSC FMT Communicator (SNC Fleet Radio # 8998) (M)	[]	[]	
	I. EOF FMT Communicator (SNC Fleet Radio # 1435) (M)	[]	[]	
	J. FMT PESB (SNC Fleet Radio # 0005) (M)	[]	[]	
	K. FMT EOF #1 (SNC Fleet Radio # 0006) (M)	[]	[]	
	L. FMT EOF #2 (SNC Fleet Radio # 0007) (M)	[]	[]	
	M. FMT EOF #3 (SNC Fleet Radio # 0008) (M)	[]	[]	
OFF-SITE locations	N. Aiken Co. EOC (SNC Fleet Radio # 1409) (Q)	[]	[]	[]
	O. Aiken Co. Warning Point (SNC Fleet Radio # 1408) (M)	[]	[]	
	P. Allendale Co. EOC (SNC Fleet Radio # 1420) (Q)	[]	[]	[]
	Q. Allendale Co. Warning Point (SNC Fleet Radio # 1411) (M)	[]	[]	
	R. Barnwell Co. EOC (SNC Fleet Radio # 1412) (Q)	[]	[]	[]
	S. Barnwell Co. Warning Point (SNC Fleet Radio # 1412) (M)	[]	[]	
	T. SRS Operations Center (SNC Fleet Radio # 1406) (M)	[]	[]	
	U. GEMA Comm. Center (SNC Fleet Radio # 1404) (M)	[]	[]	
	V. Burke Co. EMA Dispatcher (SNC Fleet Radio # 1407) (M)	[]	[]	
	W. South Carolina SEOC (SNC Fleet Radio # 1419) (M)	[]	[]	

PERFORMED BY _____ All Complete DATE ____/____/____

COMMENTS: (Section V) _____

REVIEWED BY: _____ DATE: ____/____/____

(M) - Monthly/(Q) - Quarterly

Approved By
J. T. Gasser

Vogtle Electric Generating Plant



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DATA SHEET 2

Sheet 4 of 5

COMMUNICATIONS SYSTEMS TESTING

MONTHLY RADIO, CONFERENCE BRIDGE, FACSIMILE TEST AND EOF UPS

VII. FACSIMILES

A. Control Room Facsimile

1. Check single button dial programming on CR facsimile.
2. Transmit to and receive a document using the single button dial.

SAT.
[]

UNSAT.
[]

PERFORMED BY: _____

DATE: ____/____/____

B. TSC Facsimile

1. Check single button dial programming on facsimile TSC #2.
2. Transmit and receive a document on facsimile TSC #2.

SAT.
[]

UNSAT.
[]

PERFORMED BY: _____

DATE: ____/____/____

C. EOF Facsimile

1. Check single button dial programming on facsimile EOF #1.
2. Transmit and receive a document on facsimile EOF #1.

SAT.
[]

UNSAT.
[]

PERFORMED BY: _____

DATE: ____/____/____

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COMMUNICATIONS SYSTEMS TESTING

MONTHLY RADIO, CONFERENCE BRIDGE, FACSIMILE TEST AND EOF UPS

D. Offsite Facsimile Operability

1. Transmits a document to the following locations:

		<u>SAT.</u>	<u>UNSAT.</u>
a.	GEMA Communications Center	[]	[]
b.	Burke County EOC	[]	[]
c.	South Carolina SEOC	[]	[]
d.	Aiken County Warning Point	[]	[]
e.	Allendale County Warning Point	[]	[]
f.	Barnwell County Warning Point	[]	[]
g.	SRS Operations Center	[]	[]
h.	CEOC Birmingham	[]	[]
i.	Aiken EOC	[]	[]
j.	Allendale EOC	[]	[]
k.	Barnwell EOC	[]	[]
l.	TSC	[]	[]

PERFORMED BY: _____

DATE: ____/____/____

COMMENTS: (Section VI) _____

REVIEWED BY: _____

DATE: ____/____/____

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DATA SHEET 3

Sheet 1 of 1

COMMUNICATIONS SYSTEM TESTING

**EMERGENCY RECALL SYSTEM MONTHLY TEST
AND MONTHLY/QUARTERLY ROUTINE MAINTENANCE**

- I.** Complete the following steps:
- A. Initiate Monthly EP Test Scenario.
 - B. Call all incoming telephone lines.
 - C. Restore the system to ready state.
- II.** Satisfactory operation of the emergency recall system is the ability to either place outgoing or receive incoming calls on all 31 designated telephone lines thru the recall computer.

SAT. UNSAT.
[] []

PERFORMED BY: _____

DATE: ____/____/____

Maintenance
Month or Quarter

- III.** Perform the following routine maintenance procedures in accordance with Dialogic Communications guidelines:

	<u>SAT.</u>	<u>UNSAT.</u>	<u>N/A</u>
A. Deletion of unnecessary batch files (M)	[]	[]	[]
B. De-fragmentation of the Hard Drive (M)	[]	[]	[]
C. Emergency Repair Disk Update (Q)	[]	[]	[]
D. Tape Back-up of "C" Hard Drive (Q)	[]	[]	[]
E. Restore the system to ready state	[]	[]	[]

(M) - Monthly/(Q) - Quarterly

PERFORMED BY: _____

DATE: ____/____/____

COMMENTS: _____

REVIEWED BY: _____

DATE: ____/____/____

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DATA SHEET 4

Sheet 1 of 1

COMMUNICATIONS SYSTEMS TESTING
MONTHLY AND QUARTERLY TESTING OF THE FTS CIRCUITS

Test
Month or Quarter

NOTE

Failure of the ENS equipment or telephone service may require notification of Shift Superintendent as specified in section 5.16.4 of this procedure.

I. Place and receive a call on each of the following FTS circuits at the indicated locations.

	<u>SAT.</u>	<u>UNSAT.</u>	<u>NOT APPLICABLE</u>
A. Control Room			
(1) ENS (M)	[]	[]	

PERFORMED BY: _____ DATE: ____/____/____

B. Technical Support Center			
(1) *ENS (an extension of CR) (M)	[]	[]	
(2) *HPN (2 phones) (M)	[]	[]	
(3) *RSCL (Q)	[]	[]	[]
(4) *PMCL (Q)	[]	[]	[]
(5) ERDS (Q)			
(a) Unit 1	[]	[]	[]
(b) Unit 2	[]	[]	[]

* - includes testing of headsets; (1 headset) for HPN extensions

PERFORMED BY: _____ DATE: ____/____/____

C. Emergency Operations Facility			
(1) ENS (M)	[]	[]	
(2) HPN (2 phones) (M)	[]	[]	
(3) RSCL (Q)	[]	[]	[]
(4) PMCL (Q)	[]	[]	[]
(5) MCL (Q)	[]	[]	[]
(6) LAN (Q)	[]	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

COMMENTS: _____

REVIEWED BY: _____ DATE: ____/____/____

(M) - Monthly/(Q) - Quarterly

DATA SHEET 5

COMMUNICATIONS SYSTEM TESTING

QUARTERLY ENN, BACK-UP ENN & EMERGENCY BACK-UP RECALL SYSTEM TEST

- I.** Perform the following ENN test from any ENN Station:
1. Lift the receiver on the ENN telephone and call the locations listed in Section II below.
 2. Record the acknowledgment of each station in Section II below.
 3. Check operation of the local speaker.
 4. Return handset to cradle and ensure speaker volume is adjusted to appropriate level.

NOTE

Complete failure of the ENN may require notification of Shift Superintendent as specified in section 5.16.4 of this procedure.

II.		<u>SAT.</u>	<u>UNSAT.</u>	<u>NO TEST</u>
1.	Control Room	[]	[]	[]
2.	EOF	[]	[]	[]
3.	TSC	[]	[]	[]
4.	Aiken County EOC	[]	[]	[]
5.	Aiken County Warning Point	[]	[]	[]
6.	Allendale County EOC	[]	[]	[]
7.	Allendale County Warning Point	[]	[]	[]
8.	Barnwell County EOC	[]	[]	[]
9.	Barnwell County Warning Point	[]	[]	[]
10.	Burke County EMA Dispatcher	[]	[]	[]
11.	Burke County EOC	[]	[]	[]
12.	GEMA Communications Center	[]	[]	[]
13.	GEMA EOC	[]	[]	[]
14.	GEMA FEOC	[]	[]	[]
15.	DNR/GEMA FEOC	[]	[]	[]
16.	Back-Up EOF	[]	[]	[]
17.	SC State EOC	[]	[]	[]
18.	SC State Warning Point (Backup)	[]	[]	[]
19.	SC SEOC Warning Point (Primary) (2 drops)	[]	[]	[]
20.	SRS Operations Center	[]	[]	[]

PERFORMED BY: _____

DATE: ____/____/____

COMMENTS: _____

Approved By
J. T. Gasser



Date Approved
10/02/2001

EMERGENCY RESPONSE COMMUNICATIONS

DATA SHEET 5

COMMUNICATIONS SYSTEM TESTING

QUARTERLY ENN, BACK-UP ENN & EMERGENCY BACK-UP RECALL SYSTEM TEST

III. Establish communications on the Back-up ENN conference with each of the offsite authorities listed below.

		<u>SAT.</u>	<u>UNSAT.</u>	<u>NO TEST</u>
1.	Aiken County Warning Point	[]	[]	[]
2.	Allendale County Warning Point	[]	[]	[]
3.	Barnwell County Warning Point	[]	[]	[]
4.	Burke County EMA Dispatcher	[]	[]	[]
5.	GEMA Communications Center	[]	[]	[]
6.	South Carolina SEOC Warning Point (Primary)	[]	[]	[]
7.	SRS Operations Center	[]	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

IV. Perform the following Back-Up Emergency Recall System Test.

- A. Initiate Monthly EP Test Scenario in the Emergency Back-Up Recall System by calling (1-800-475-9705).
- B. Call into the Backup System (1-800-475-9704) to verify the system is working.
- C. Restore the system to ready state.

<u>SAT.</u>	<u>UNSAT.</u>
[]	[]

PERFORMED BY: _____ DATE: ____/____/____

COMMENTS: (Sections I-IV) _____

REVIEWED BY: _____ DATE: ____/____/____

DATA SHEET 6

Sheet 1 of 5

COMMUNICATIONS SYSTEM TESTING
QUARTERLY FACILITY TELEPHONE TEST

I. EOF

A. Establish communications on the ADL conference with each of the offsite authorities listed below.

		<u>SAT.</u>	<u>UNSAT.</u>	<u>NO TEST</u>
1.	SOUTH CAROLINA SEOC	[]	[]	[]
2.	GEMA EOC	[]	[]	[]
3.	GEMA FEOC	[]	[]	[]
4.	SRS EOF	[]	[]	[]
5.	AIKEN EOC	[]	[]	[]
6.	ALLENDALE EOC	[]	[]	[]
7.	BARNWELL EOC	[]	[]	[]
8.	EOF	[]	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

B. Install all telephones in the Matrix for the EOF. Verify proper operation by calling and communicating on all numbers designated for each location.

<u>SAT.</u>	<u>UNSAT.</u>
[]	[]

PERFORMED BY: _____ DATE: ____/____/____

C. Test the following facsimiles by transmitting and receiving a legible copy on each machine.

		<u>SAT.</u>	<u>UNSAT.</u>
1.	EOF #2	[]	[]
2.	EOF #3	[]	[]
3.	EOF #4 (P.I.)	[]	[]
4.	Check one button programming of EOF facsimile #1, #2, #3, and #4.	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

DATA SHEET 6
COMMUNICATIONS SYSTEM TESTING
QUARTERLY FACILITY TELEPHONE TEST

D. Test the Training Center and the EOF public address system by calling into the system and making an announcement.

		<u>SAT.</u>	<u>UNSAT.</u>
1.	EOF	[]	[]
2.	Training Center	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

E. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

II. TSC

A. Install all telephones on the TSC Matrix. Verify proper operation by calling and communicating on all numbers listed for each location.

	<u>SAT.</u>	<u>UNSAT.</u>
	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

B. Test facsimile machine TSC #1 by transmitting and receiving a legible copy.

	<u>SAT.</u>	<u>UNSAT.</u>
	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

C. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

Approved By
J. T. Gasser

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DATA SHEET 6

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COMMUNICATIONS SYSTEM TESTING
QUARTERLY FACILITY TELEPHONE TEST

III. CONTROL ROOM

A. Verify proper operation of the dedicated lines by calling and communicating on extensions listed below.

		<u>SAT.</u>	<u>UNSAT.</u>
1.	TSC	[]	[]
2.	OSC	[]	[]
3.	EOF	[]	[]
4.	Bell line to Augusta exchange	[]	[]
5.	Bell line to Waynesboro exchange	[]	[]
6.	Status Loop	[]	[]

PERFORMED BY: _____

DATE: ____/____/____

B. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

Approved By
J. T. Gasser

Date Approved
10/02/2001

EMERGENCY RESPONSE COMMUNICATIONS

DATA SHEET 6
COMMUNICATIONS SYSTEM TESTING
QUARTERLY FACILITY TELEPHONE TEST

IV. OSC

A. Install all telephones on the Matrix for the OSC. Verify proper operation by calling and communicating on all the numbers at each location.

SAT. UNSAT.
[] []

PERFORMED BY: _____ DATE: ____/____/____

B. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

V. BACK-UP EOF

A. Verify proper operation of all phone lines listed for the Back-Up EOF in accordance with the Back-Up EOF telephone matrix by calling and communicating on all the numbers at each location.

SAT. UNSAT.
[] []

PERFORMED BY: _____ DATE: ____/____/____

B. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

Approved By
J. T. Gasser

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Sheet 5 of 5

COMMUNICATIONS SYSTEM TESTING
QUARTERLY FACILITY TELEPHONE TEST

VI. ENC

- A. Verify proper operation of all phone lines listed for the ENC in the Emergency Response Telephone Directory by calling and communicating on all the numbers at each location.

SAT. UNSAT.
[] []

PERFORMED BY: _____

DATE: ____/____/____

- B. Record any comments below. A satisfactory result indicates that you were able to establish communications and satisfactorily transmit information. Restore telephones to normal configuration.

REVIEWED BY: _____

DATE: ____/____/____

DATA SHEET 7
EMERGENCY RESPONSE DATA SYSTEM
COMPUTER TESTING

NOTE

Rescheduling and re-testing may be scheduled and implemented on appropriate Mondays and Fridays per mutual agreement of the NRC and VEGP.

- I. Notify Shift Superintendent that the ERDS Computers (Unit 1 and Unit 2) will be activated for quarterly test. (7th Wednesday of each calendar quarter)
- II. Arrange ERDS testing with the NRC Operations Center. (Reference NRC Generic letter 93-01 for telephone number)
- III. Notify participating states (GA/SC) of time of ERDS test. [optional]
- IV. Satisfactory operation of the ERDS Computer System is the ability to:
 - 1) establish a communication link between ERDS Computer system and the NRC.
 - 2) transmit all parameters in the plant's ERDS database for 2 hours.
 - 3) reconnect with NRC upon a loss of telephone connection.
 - 4) terminate the ERDS link.

	<u>SAT.</u>	<u>UNSAT.</u>
Unit 1	[]	[]
Unit 2	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

COMMENTS: _____

REVIEWED BY: _____ DATE: ____/____/____

DATA SHEET 8

Sheet 1 of 1

QUARTERLY RADIO TESTING

I. RADIOS AND HEADPHONES

Perform the following on each of the radios listed below:

- 1) Check the transmission and reception of each of the radios by conducting a satisfactory radio check with any station.
- 2) Verify programming of the EP department Talk Group when designated (*).
(1-Ops, 2-HP, 3-Mech, 4-Elec/I&C, 5-FMT/REX)

A. CONTROL ROOM	<u>SAT.</u>	<u>UNSAT.</u>
1. REMOTE TERMINAL (Unit 1)*	[]	[]
2. REMOTE TERMINAL (Unit 2)*	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

B. TSC	<u>SAT.</u>	<u>UNSAT.</u>
1. SOUTH CAROLINA EPD	[]	[]
2. BURKE COUNTY EMA	[]	[]
3. REMOTE TERMINAL *	[]	[]
4. TSC KIT - 4 Handheld Radios*	[]	[]
5. TWO HEADPHONES	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

C. OSC	<u>SAT.</u>	<u>UNSAT.</u>
1. OSC KIT - 20 Handheld Radios*	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

D. EOF	<u>SAT.</u>	<u>UNSAT.</u>
1. SOUTH CAROLINA EPD	[]	[]
2. BURKE COUNTY EMA	[]	[]
3. REMOTE TERMINAL *	[]	[]
4. EOF KIT - 5 Handheld Radios*	[]	[]
5. THREE HEADPHONES	[]	[]

PERFORMED BY: _____ DATE: ____/____/____

COMMENTS: _____

REVIEWED BY: _____ DATE: ____/____/____

