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September 24, 2001

Docket Nos. 50-321
50-366

HL-6130

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

Edwin I. Hatch Nuclear Plant
Emergency Implementing Procedure Revisions

Ladies and Gentlemen:


In accordance with 10 CFR 50, Appendix E, Section V, Southern Nuclear Operating Company hereby submits the following revisions to the Plant Hatch Emergency Implementing Procedures (EIPs):

<u>EIP No.</u>	<u>Revision</u>	<u>Effective Date</u>	<u>Comments</u>
73EP-EIP-073-0S	13.2	09/14/2001	Editorial Change

By copy of this letter, Mr. L. A. Reyes, NRC Region II Administrator, will receive two copies of the revised procedure.

Should you have any questions in this regard, please contact this office.

Respectfully submitted,


H. L. Sumner, Jr.

CKB/eb

Enclosure: 73EP-EIP-073-0S, Offsite Emergency Notifications

A045

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cc: Southern Nuclear Operating Company (w/o)
Mr. P. H. Wells, Nuclear Plant General Manager
SNC Document Management (R-Type A02.001)

U.S. Nuclear Regulatory Commission, Washington, D.C. (w/o)
Mr. L. N. Olshan, Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II
Mr. L. A. Reyes, Regional Administrator (with 2 copies)
Mr. J. T. Munday, Senior Resident Inspector – Hatch (w/o)

SOUTHERN NUCLEAR PLANT E.I. HATCH		DOCUMENT TYPE: EMERGENCY PREPAREDNESS PROCEDURE	PAGE 1 OF 18
DOCUMENT TITLE: OFFSITE EMERGENCY NOTIFICATIONS		DOCUMENT NUMBER: 73EP-EIP-073-0S	REVISION/VERSION NO: 13.2
EXPIRATION DATE:	APPROVALS: DEPARTMENT MANAGER _____ JCL _____ DATE 5/30/00		EFFECTIVE DATE: 09/14/2001
N/A	NPGM/POAGM/PSAGM _____ JAB _____ DATE 5/30/00		

1.0 **OBJECTIVE**

This procedure provides instructions for initial and follow-up notifications to State and Local authorities by emergency communication networks and systems. This procedure further provides initial notification time requirements and systems to be used for communicating with the Nuclear Regulatory Commission (NRC) in the event of a declared emergency. Included in the time requirements are instructions for utilizing the appropriate emergency communication links.

2.0 **APPLICABILITY**

This procedure is applicable to the use of emergency communications networks and systems to notify federal (NRC), State and Local authorities during an emergency. This procedure is performed as required.

3.0 **REFERENCES**

- 3.1 Edwin I. Hatch Nuclear Plant, Unit 1 and Unit 2 Emergency Plan
- 3.2 10AC-MGR-006-0S, Hatch Emergency Plan
- 3.3 30AC-OPS-003-0S, Plant Operations
- 3.4 31GO-OPS-013-0S, Notifications and Reports
- 3.5 TRN-0001, Emergency Notification Form

4.0 **REQUIREMENTS**

4.1 PERSONNEL REQUIREMENTS

- 4.1.1 The Emergency Director authorizes offsite notifications of emergency conditions to State and Local authorities.
- 4.1.2 The Emergency Director may delegate, to other specifically trained emergency response personnel, actual performance of notifications.

4.2 MATERIAL AND EQUIPMENT

Emergency communication systems

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4.3 SPECIAL REQUIREMENTS

The Emergency Director shall authorize notification to offsite authorities. Initial notification to State and Local authorities must be made within approximately fifteen minutes of declaring or changing emergency classifications.

5.0 **PRECAUTIONS/LIMITATIONS**

5.1 PRECAUTIONS

N/A - Not applicable to this procedure

5.2 LIMITATIONS

5.2.1 Initial notifications to State and Local authorities must be made within approximately (15) minutes of declaring or changing emergency classifications. Information which may not be available at the time of initial notification will be included on the subsequent message as soon as it becomes available.

5.2.2 Follow-up notifications to State and Local authorities will be made periodically during an Alert or higher emergency classification. Significant events which occur which potentially impact offsite emergency actions must be reported as soon as practicable. Significant events to be reported as soon as practicable include, but are not limited to the following situations:

- Any event of itself which indicates degradation of plant conditions
- Any event which indicates a threat to core or containment integrity
- An actual radiological release
- Any event, which will impact offsite resources (for example: evacuation of plant personnel, transportation offsite of contaminated injured personnel, requests for offsite support, etc.)

5.2.3 Emergency communication systems will be used to transfer emergency information during a declared emergency OR an emergency drill/exercise.

6.0 **PREREQUISITES**

A declared emergency or an emergency drill/exercise must exist before using this procedure.

REFERENCE

7.0 PROCEDURE

7.1 NOTIFICATION TO STATE AND LOCAL AUTHORITIES

CAUTION

SPECIAL CARE MUST BE TAKEN IN TRANSFERRING RESPONSIBILITY FOR PERFORMING OFFSITE NOTIFICATIONS TO ANOTHER FACILITY. A PROPER TURNOVER IS IMPERATIVE. NOTIFICATION OF STATE AND LOCAL AUTHORITIES WILL BE MADE WITHIN APPROXIMATELY FIFTEEN MINUTES OF DECLARING OR CHANGING ANY EMERGENCY CLASSIFICATION. THE EMERGENCY DIRECTOR'S AUTHORIZATION MUST BE OBTAINED PRIOR TO TRANSMITTING THE NOTIFICATION MESSAGE.

- 7.1.1 The Emergency Director will designate the Emergency Response Facility, which has priority over emergency notifications and communications (i.e., Control Room, TSC, or EOF).
- 7.1.2 Information contained on the Emergency Notification Form (similar to that shown in Attachment 1) will be transferred to State and Local authorities via the Emergency Notification Network (ENN). Subsections 7.2 and 7.3 outline information requirements for initial and follow-up notifications. Attachment 2 outlines operating instructions for use of the Southern LINC equipment for ENN notifications.

7.2 INITIAL NOTIFICATIONS

NOTE

An initial notification is a notification which indicates an emergency classification has been declared and/or changed.

- 7.2.1 For all initial notifications, obtain information to complete all line items on the Emergency Notification Form, similar to that shown in Attachment 1. Line items 11, 12, & 13 may be omitted from the initial notification IF it is NOT available within the 15 minute initial notification timeframe. It must, however, be transmitted as soon as it becomes available.

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- 7.2.2 Obtain the Emergency Director's approval of all information on the Emergency Notification Form. The Emergency Director's approval will be entered on line item 16.

NOTE

Acknowledgment may be received from either the 24 hour point of contact OR the alternate point of contact for the State/Locals.

- 7.2.3 Prior to transmitting any information, alert the offsite authorities. A message similar to the following message may be used:

"This is (Give Name and Title) at Plant Hatch. Stand by to receive emergency notification information using the Emergency Notification Form."

Please acknowledge Georgia Emergency Management Agency (GEMA).

Please acknowledge Appling County.

Please acknowledge Jeff Davis County.

Please acknowledge Tattnall County.

Please acknowledge Toombs County."

Acknowledgment must be received from GEMA and each Local [either the 24 hour point of contact OR the State/Local Emergency Operations Center (EOC)]. IF the State OR Local authorities fail to acknowledge using the ENN, the message transfer and acknowledgment must be obtained by alternate means. Alternate means of verbal contact include commercial telephone. The commercial telephone numbers for the State/local authorities are located in the Emergency Call List. A facsimile of the notification form is acceptable as another means of communicating emergency information to offsite authorities.

IF the Southern LINC equipment for ENN notifications is inoperable, complete notifications by using commercial telephone to contact the offsite authorities. Inform the Emergency Director of the inoperable Southern LINC equipment. Contact Information Resources so that repairs can be initiated.

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NOTE

Faxing of the Emergency Notification Form is to assist offsite authorities in clarifying emergency information reported to them.

- 7.2.4 Fax the emergency notification form to the offsite agencies and proceed with verbally transmitting the form's information. IF verbal transmission cannot be established, ensure a facsimile of the notification form is provided to the offsite authorities.

NOTE

Acknowledgment may be received from either the 24 hour point of contact OR the alternate point of contact for the State/Locals.

- 7.2.5 Complete the verbal notification with a Statement similar to the following:

"Please acknowledge GEMA.

Please acknowledge Appling County.

Please acknowledge Jeff Davis County.

Please acknowledge Tattnall County.

Please acknowledge Toombs County."

- 7.2.6 Acknowledgment of receipt of the notification must be received from the State/Local authorities. IF the State OR Local authorities fail to acknowledge using the ENN, acknowledgment must be obtained by alternate means as outlined in step 7.2.3.

- 7.2.7 IF it is determined that any information, which has been provided to State and Local authorities, is in error, the information must be corrected. The Emergency Director's authorization must be obtained prior to transmitting the corrected information. It is acceptable to provide only the corrected information on the notification form.

7.3 FOLLOW-UP NOTIFICATIONS

NOTE

A follow-up notification is a notification, which provides additional information, which relates to the current emergency classification.

- 7.3.1 At a minimum, obtain information to complete line items 1, 2, 3, 5, 6, & 7 on the Emergency Notification Form, similar to that shown in Attachment 1, for all follow-up notifications. Any changes in events which are occurring, any changes in parameters and/or any information which was not available within the 15 minute initial notification timeframe (items 8-15) must be reported on the appropriate line item for all follow-up notifications. Any other line item that is not changed can be left blank. It is acceptable to provide only information that has changed for any item on the form for a follow-up notification.
- 7.3.2 Obtain the Emergency Director's approval of all information on the Emergency Notification Form. The Emergency Director's approval will be entered on line item 16.
- 7.3.3 Refer to steps 7.2.3 through 7.2.7 to complete the follow-up notification to the State and Local authorities.

7.4 COMMUNICATIONS PROTOCOL AND USE

- 7.4.1 Whenever one organization is contacting another organization, appropriate communications protocol must be used. An acceptable protocol is as follows:

Example: **"GEMA, This is the EOF, over."**
GEMA would then respond:
"EOF, this is GEMA, go ahead."

- 7.4.2 The ENN may also be used for the transmission of technical, radiological and meteorological data upon request of State and Local authorities.

7.5 FALSE NOTIFICATIONS

- 7.5.1 IF an attempted false notification OR other misuse of the ENN occurs, the speakers in the Emergency Operations Facility (EOF), Technical Support Center (TSC), and Control Room will automatically activate, allowing Plant Hatch personnel to also receive the information.

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- 7.5.2 IF the information is an attempt to cause a false notification, supervisory personnel will lift the phone and state the following or a similar statement:

"Negative, Negative, Negative. This is (give Name and Title). Acknowledge negative."

- 7.5.3 Acknowledgment must be received from State and Local authorities. IF the State OR Local authorities fail to acknowledge using the ENN, acknowledgment must be obtained by alternate means as outlined in step 7.2.3.

7.6 NRC NOTIFICATIONS

- 7.6.1 The Emergency Director will ensure that notifications to the NRC will be in accordance with 31GO-OPS-013-0S and 00AC-REG-001-0S. Notifications to the NRC will be as soon as possible, but no later than one hour following declaration of the emergency.
- 7.6.2 The Emergency Director will designate the Emergency Response Facility which has priority over NRC Notifications and Communications (i.e., Control Room, TSC, or EOF). The Control Room will be relieved of this duty as soon as the TSC is activated.
- 7.6.3 IF requested by the NRC, an open communication pathway must be maintained. Follow-up notifications to the NRC are required as conditions change (reactor/plant status, emergency class, release status, etc.).
- 7.6.4 The primary method of communication with the NRC will be the Emergency Notification System (ENS). The ENS operates on the Federal Telecommunications System (FTS) network. To contact the NRC via the ENS, dial the telephone numbers from the ENS station as listed in the Emergency Call List.

IF the ENS communication link is inoperable, commercial lines may be utilized to contact the NRC Operations Center (NRCOC) by dialing the telephone numbers as listed in the Emergency Call List.

The other FTS communication links in the TSC and EOF may be utilized to contact the NRC Operations Center (NRCOC) as required. Refer to the Emergency Call List for the appropriate telephone numbers to use. FTS communication links are listed below.

Protective Measures Counterpart Link (PMCL)
Reactor Safety Counterpart Link (RSCL)
Management Counterpart Link (MCL)
Health Physics Network (HPN)

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7.7 MAJOR LOSS OF COMMUNICATIONS SYSTEMS

- 7.7.1 In accordance with 10CFR50.72(b)(3)(xiii), a major loss of communications capability is a reportable event requiring NRC notification within one hour. A major loss of communications capability consists of:

Loss of the primary (ENS) AND alternate means (commercial telephone system) of offsite communications to the NRC.

OR

Loss of the primary (ENN) AND alternate system (commercial telephone system) for the notification of State and Local authorities.

OR

Loss of the Prompt Notification System (i.e., NOAA Weather Radio System).

- 7.7.2 IF a major loss of communications is suspected, refer to Attachment 3 to determine if the loss is a reportable event and for actions to be taken.

- 7.7.3 Ensure the following are notified of any communications problems:

- ° Hatch Duty Manager
- ° Emergency Preparedness Coordinator
- ° Information Resources (MIS)

7.8 DOCUMENTATION AND RECORDS

- 7.8.1 Emergency Response Facility personnel responsible for offsite notifications will document the notifications, acknowledgments, and pertinent communications to the State and Local authorities on the Emergency Notification Form. Notifications to the NRC will be documented in accordance with 31GO-OPS-013-0S and 00AC-REG-001-0S.
- 7.8.2 All data and information generated during the emergency event will be maintained by applicable emergency response personnel in each facility. This information will be utilized to generate a written close-out report upon termination of the emergency event. The report will be prepared as described in 73EP-ADM-001-0S.
- 7.8.4 Records generated during actual emergencies will be maintained in accordance with 20AC-ADM-002-0S.

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The following provides information on the type of information to include on the various line items of the Emergency Notification Form.

Item 1 Drill/Actual Emergency:

Check the appropriate block indicating the Emergency Notification is for drill/exercise ("**This is a Drill**") or an actual emergency condition ("**This is an Actual Emergency**").

Initial/Follow-up

Check the appropriate block indicating the message is an "initial" or "follow-up" notification by checking the appropriate block. "Initial" will be checked for any notification associated with the declaration and/or change of an emergency classification. "Follow-up" will be checked for any notification, which provides additional information related to the current emergency classification.

Message Number

Enter the facility abbreviation and sequential number of the notification being made. The facility where notifications are made may change based on location of the Emergency Director; however, the number will remain sequential throughout the event (i.e., CR-1, TSC-2, EOF-3, etc.).

Item 2 Site:

Site location already filled in.

Unit:

Enter the affected unit number 1 or 2. In the event both units are involved in the emergency, enter unit number 1 & 2.

Reported by:

Enter name of person transmitting information.

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Item 3 Transmittal Time/Date:

Enter time (Eastern) and date WHEN the transmission of data begins.

Confirmation Phone Number:

Enter a plant phone number and extension (in your facility), to be used by the State and Local authorities for verification of information being transmitted.

Item 4 Authentication

This block is NOT applicable for emergency notifications made at Plant Hatch.

Item 5 Emergency Classification:

Check the appropriate block indicating the current emergency classification declared. Refer to Facility Management to confirm this information.

Item 6 Emergency Declaration at:

Enter the time (Eastern) and date when the current emergency classification was declared. Refer to Facility Management to confirm this information.

Emergency Termination at:

Enter the time (Eastern) and date the emergency is terminated and proceed to item 16. Refer to Facility Management to confirm this information.

Item 7 Emergency Description:

Enter a brief description of the initiating conditions for the emergency classification declared and any other current information regarding significant events which have occurred since the last notification was made. This may include information on significant equipment which is out of service or malfunctioning. The use of acronyms to describe the emergency needs to be avoided. This section can also include important information to be given to the State and Local authorities. For example, IF a site evacuation is taking place, they will need to know information about the evacuation direction provided to evacuated plant personnel (i.e., evacuation route and applicable Reception Center). Refer to Facility Management to confirm this information.

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Item 8 Plant Condition:

Check the most accurate prognosis of current plant condition. Refer to Facility Management to confirm this information.

Item 9 Reactor Status:

Check the appropriate block to indicate the current status of the affected unit's reactor. IF the unit is shutdown, enter the time (Eastern) and date of the shutdown. IF the unit is operating, indicate % power. Refer to Facility Management to confirm this information.

Item 10 Emergency Releases:

Check the appropriate block to indicate status of a radiological release:

- A. None (Go to item 14)
- B. Potential (Go to item 14);
- C. Is Occurring
- D. Has Occurred

The presence of an actual release is defined by the NRC as "During a classifiable emergency, indication of an abnormal step increase of an order of magnitude over and above daily operating levels constitutes a Release". Daily operating levels are described as average daily release levels for steady state operations. This value normally runs in the E-3 mr/hr range or below.

- IF no release is occurring, check the "None" block and proceed to item 14.
- IF a potential for release exists, check the "Potential" block and proceed to next step.
- IF a release is occurring, check the "Is Occurring" block and enter start time (eastern), expected duration and proceed to next step.
- IF a release has occurred, check the "Has Occurred" block and enter start time (eastern) and proceed to next step.

Refer to Facility Management (i.e., TSC HP Supervision or EOF Dose Assessment) to confirm this information.

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NOTE

Item 11 may be omitted from the initial notification IF it is NOT available within the 15 minute initial notification time frame. It must be included on the subsequent message.

Item 11 Type of Release:

Check the appropriate block to indicate IF the release is an elevated release (through the main stack) or a ground level release (through the reactor building vents) for the appropriate release. IF the release type is NOT known, assume that the release is noble gas from the elevated release point until informed otherwise.

Indicate IF; A. Airborne (Noble Gases) or B. Liquid release is occurring or has occurred by entering the start time (eastern) and date and IF applicable the time and date the release stopped.

NOTE

Item 12 may be omitted from the initial notification IF it is not available within the 15 minute initial notification time frame. It must be included on the subsequent message.

Item 12 Release Magnitude

This section requires the completed results of dose assessment:

Check the appropriate block indicating units of measurement for the release. Enter the release rate (in Ci/sec or total Curies) next to noble gases, iodines and other as appropriate.

Normal Operating Limits indicate IF release is above or below the TS limit of .057 mr/hr. IF release rate is below TS limit of .057 mr/hr but higher than normal average daily release levels for steady state operations check the below block. Check above block IF release rate is determined to be greater than TS limit.

The iodine/noble gas ratio will be supplied via dose assessment results or designated as not available. In the TSC, ask the HP/Chem Supervisor or Support personnel, in the EOF, ask the Dose Assessment Manager or staff.

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NOTE

Item 13 may be omitted from the initial notification IF it is NOT available within the 15 minute initial notification time frame. It must be included on the subsequent message.

Item 13 Estimate of Projected Offsite Dose:

Check the appropriate block indicating IF the projected offsite dose is new information or unchanged information from the last notification.

This section requires the completed results of dose assessment.

Check the appropriate block indicating IF the projected offsite dose is new information or unchanged information from the last notification. Enter the duration of dose projection in hours, this is normally a four (4) hour projected dose.

Enter the projected Total Effective Dose Eq. (TEDE) and Committed Dose Eq. (CDE) thyroid dose (in mrem) at site boundary, 2, 5, and 10 miles distances.

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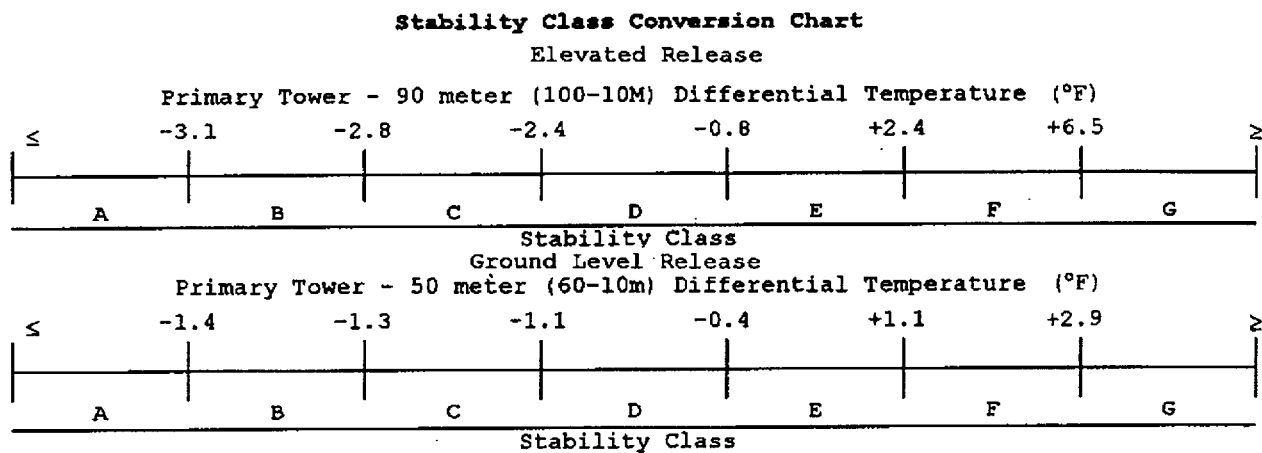
NOTE

Recording of Stability Class or the actual differential temperature (°F) reading is acceptable.

Item 14 Meteorological Data:

This information is to be included on all notifications to the State and Local authorities. This information may be found on SPDS Meteorological Screen or the MET/RAD Status Board.

To obtain Stability Class Information, use the following chart to convert differential temperatures to Stability Class:



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Item 15 Recommended Protective Actions:

This section requires the completed results of 73EP-EIP-054-0S. This information will be provided by HP Supervisor and/or Operations Supervision in the TSC or Ops Advisor in the EOF upon approval by the Emergency Director.

Check the appropriate block to indicate:

- a. No recommended protective actions;
- b. Enter distance and affected zones recommended for evacuating;
- c. Enter distance and affected zones recommended for sheltering in place;
- d. Enter other recommended protective actions as appropriate.

Item 16 Approved By:

Obtain concurrence and approval of emergency information from the Emergency Director prior to transmission of any message to offsite authorities. Any changes to form after the Emergency Director's approval will require his concurrence.

Time/Date:

The Emergency Director will enter the time (Eastern) and date the emergency notification form is approved.

The back of the notification form may be used for recording the roll call prior to transmitting the information and the acknowledgment after the information has been transmitted. Record the date and time (eastern) of notification of the State and each Local authority.

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OPERATING INSTRUCTIONS FOR SOUTHERN LINC EQUIPMENT FOR ENN NOTIFICATIONS

1. Press the "Group" button on the So. Linc – ENN unit to ensure you are in the Group mode of operation. The unit will display "**Wide Area**" and "**21: HEP ENN**". This group includes all State and local agency locations with which emergency notification information is to be provided.

NOTE

A "time-out" timer limits the amount of time you can continuously talk to 2 minutes. When the allotted time expires, you will hear a low-pitched cut-off tone. Releasing the "push to talk" button inside the handset will clear this condition and allow to reestablish communications.

2. Pick up the handset from the cradle and press and hold the "push to talk" (PTT) button located inside the handset. Upon pressing the PTT button, you will hear a high, chirp-like tone that indicates you have permission to talk. Begin speaking after hearing the tone.
3. Release the **PTT** button when you have finished talking. This will allow you to hear incoming transmissions.

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ATTACHMENT 3 TITLE: MAJOR LOSS OF COMMUNICATIONS SYSTEMS		Att. Pg. 1 of 2

Major Loss of Communications Systems

1. Loss of ENS

A loss of ENS is confirmed in the Control Room by the inability to contact the NRC Operations Center (NRCOC) on the ENS phone. If this occurs, contact the NRCOC using a commercial telephone line to report that the ENS line is out of service. Refer to the phone numbers posted on the ENS phones or the Emergency Call List for the appropriate numbers to use. This is not considered a reportable event.

IF you are unable to establish contact with the NRC through either the ENS phone or commercial telephone lines, THEN this is considered a Notification of Significant Event in accordance with 10CFR50.72(b) (3) (xiii).

Other means of communications (i.e., the other FTS communication links in the TSC and EOF, cell phones, etc.) may be utilized to contact the NRC Operations Center (NRCOC) as required. Refer to the phone numbers posted on the ENS phones or the Emergency Call List for the appropriate telephone numbers to use. FTS communication links are listed below.

Protective Measures Counterpart Link (PMCL)
Reactor Safety Counterpart Link (RSCL)
Management Counterpart Link (MCL)
Health Physics Network (HPN)

2. Loss of ENN

A loss of ENN is confirmed in the Control Room by the inability to contact ANY State or Local authority over the ENN system. If this occurs, establish contact with the State/Local authorities by calling them using commercial telephone lines. The telephone numbers for the State/local authorities are listed in the Emergency Call List. Report that the ENN is out of service and we are confirming operability of our backup system. This is not considered a reportable event.

IF you are unable to establish contact with any of the above authorities through either the ENN system or commercial lines, THEN this is considered a Notification of Significant Event in accordance with 10CFR50.72(b) (3) (xiii).

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3. Loss of the Prompt Notification System (i.e., NOAA Weather Radio System)

A complete loss of the broadcast ability of the prompt notification system is considered a major loss of Offsite Notification System capability and is considered a Notification of Significant Event in accordance with 10CFR50.72(b) (3) (xiii).

4. Loss of Commercial Telephone Lines

IF a loss of commercial telephone lines offsite is reported and confirmed in the Control Room by the inability to make offsite long distance phone calls, confirm the operability of the following notification systems:

Ensure the operability of the ENS system by contacting the NRC Operations Center using the ENS and reporting a test of the ENS. (This is not considered a Notification of Significant Event). IF unable to establish contact with the NRC Operations Center through the ENS THEN this is considered a Notification of Significant Event in accordance with 10CFR50.72(b)(3)(xiii).

Ensure the operability of the ENN system by conducting a roll call of the State and Local authorities over the ENN. IF unable to establish contact with all of the above authorities through either the ENN OR commercial telephone lines, THEN this is considered a Notification of Significant Event in accordance with 10CFR50.72(b)(3)(xiii).