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February 14, 2001

U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk
Subject: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
Changes to Emergency Plan Implementing Procedure

GNRO-2001/00010

Ladies and Gentlemen:

Entergy Operations, Inc. submits in accordance with 10CFR50 Appendix E, Section V changes to an Emergency Plan Implementing Procedure. A deficiency document was written to address this submittal exceeding the 30 day requirement.

<u>Procedure No.</u>	<u>Issue Date</u>
10-S-01-11, Rev. 15	01/08/01

This letter does not contain any commitments.

Should you have any questions or concerns regarding the attachment, please contact Mr. W. B. Abraham at (601) 437-2319.

Yours truly,

JCR/WBA/amt
attachment: 10-S-01-11, Rev. 15, "Evacuation of Onsite Personnel"
cc: (See Next Page)

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Title: Evacuation of Onsite Personnel	No.: 10-S-01-11	Revision: 15	Safety Evaluation
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Facility:	GRAND GULF
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I. SIGNATURES

Preparer:	<i>K McDonald</i>	K. McDonald	7/27/00
	Signature	Name (print)	Date
Reviewer:	<i>W.A. Russell</i>	W.A. Russell	8/2/00
	Signature	Name (print)	Date

II. OVERVIEW

Document Evaluated: 10-S-01-11 Rev 15 Evacuation of Onsite Personnel

Brief Description of the Proposed Change:

- 1) Changes Table of Contents for editorial purposes
- 2) Step 2.1.5 added personnel reporting to HP lab for accountability.
- 3) Step 6.1.1 moved SAS and Security Island from the protected area in step b.1 to the owner controlled area in step b.2 (both now located outside protected area)
- 4) Added instructions in step 6.1.3.b to ensure individuals use exit turnstiles card readers in Security Island for accountability when evacuating.
- 5) Deleted step 6.1.5.b. This is covered by step 6.1.5.a
- 6) Added instructions in step 6.2.1.a.1) for emergency response personnel to key card into the accountability card reader in maintenance shop area when reporting to the OSC during evacuations.
- 7) Added step 6.2.1.b requiring OSC Coordinator to supply CAS with names and badge numbers of team members in the field within 10 minutes of declaration of an evacuation.
- 8) Moved information originally contained in step 6.2.1.b to steps 6.2.1.c and d.
- 9) Added section 6.2.2 detailing steps for personnel accountability without a site evacuation being declared.
- 10) Added section 6.2.3 detailing steps for personnel accountability of a limited area of the plant Protected Area.
- 11) Changed Shift Superintendent title to Shift Manager.
- 12) Added EOF to list of facilities to evaluate for evacuation in Step 6.1.1c.

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III. PRE-SCREENING

Check the applicable boxes below. If any of the boxes are checked, neither a Screening nor a 50.59 Evaluation is necessary. Provide supporting documentation or references as appropriate.

- The change is editorial as defined in either Section 5.3.4 ___ or Section 5.4.1.1 _____ of this procedure. (Insert item # from Section 5.3.4 or Section 5.4.1.1). Provide document change request to the appropriate department, if required.
- The change is a substitute part per Section 5.4.1.2.
- The change will be controlled in its entirety under 10CFR50.54 instead of 10CFR50.59 per Section 5.4.1.3 of this procedure.
- An approved, valid Screening or 50.59 Evaluation covering all aspects of the change already exists per Section 5.4.1.4. Reference 50.59 Evaluation # _____ or attach documentation. Verify the previous Screening or 50.59 Evaluation remains valid.
- The proposed change, in its entirety, has been approved by the NRC per Section 5.4.1.5.
Reference:
- The change is being made to conform to the SAR per Sections 5.4.1.6.

BASIS: (Discuss how the activity meets the Pre-Screening criteria.)

Procedure 10-S-01-11 is an Emergency Preparedness implementing procedure, which will be evaluated under 10CFR50:54Q guidance.

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Periodic Review Required: YES NO If Yes, list frequency: NA Year

If No, refer to Attachment XIX of 01-S-02-3 for a list of procedure review methods and fill in the appropriate letter(s) below; if "Other," specify method.

Method(s) of Review Frequent use

10CFR50.59 Review Required: Yes - If Yes, attach 50.59 Review.
 No - Not required per section 6.3.2.b
 (enter Section 6.3.2(b) or 6.3.2(c) of procedure 01-S-02-3)

Cross-discipline review required: YES NO Tech Reviewer's Initials WRC

Reviewed by: Operations CE
Emergency Director Position Lead
TSC Coordinator Position Lead
TSC Technical Manager Position Lead
OEC Position Lead CWL
Training AKM
Security AKM

Does this directive contain Tech Spec Triggers? YES NO

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REQUIREMENTS CROSS-REFERENCE LIST

Requirement Implemented by Directive		Directive Paragraph Number
Name	Paragraph Number	That Implements Requirement
Reg. Guide 1.95	C.6.S5	*
GGNS Emer Plan	6.7.2.S9	6.4.4
GGNS Emer Plan	6.6.S1	6.4.1
GGNS Emer Plan	6.7.2.S5	6.4.2
GGNS Emer Plan	6.5.1.a.1	6.1.2.b, 6.1.2.c
GGNS Emer Plan	6.5.1.a.3	6.1.2.d(2)
GGNS Emer Plan	6.5.1.a.4	6.1.2.d(3)
GGNS Emer Plan	7.7.S5	*
GGNS Emer Plan	6.6.S3	6.4.1, 6.4 Note
GGNS Emer Plan	6.6.S2,S4	6.4
GGNS Emer Plan	6.5.1.a.2	6.1.3.a(2), 6.1.3.b(1), 6.2.1, 6.2.2, 6.2.3
GGNS Emer Plan	6.5.1.a.5	6.1.3.c
GGNS Emer Plan	6.5.1.a.6	6.1.1.a, 6.1.1.a Note
GNRO-97/00113	97-15-02.Item 1 & 3	6.1.5

* Covered by directive as a whole or by various paragraphs of the directive.

NOTE

The Component Data Base Change Request statement is applicable only to Volume 06 and 07 maintenance directives.

Component Data Base Change Request generated and the backup documentation available for setpoint and/or calibration data only Yes N/A CDBCR # _____

Current Revision Statement

Revision 15:

- Provides minor grammatical changes.
- Step 2.1.5 added personnel reporting to HP lab for accountability.
- Step 6.1.1 moved SAS and Security Island from the protected area in step b.1 to the owner controlled area in step b.2 (both now located outside protected area)
- Added instructions in step 6.1.3.b to ensure individuals use exit turnstiles card readers in Security Island for accountability when evacuating.
- Deleted step 6.1.5.b. This is covered by step 6.1.5.a
- Added instructions in step 6.2.1.a.1) for emergency response personnel to key card into the accountability card reader in maintenance shop area when reporting to the OSC during evacuations.
- Added step 6.2.1.b requiring OSC Coordinator to supply CAS with names and badge numbers of team members in the field within 10 minutes of declaration of an evacuation.
- Changed all reference of Shift Superintendent to Shift Manager.

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Current Revision Statement (Continued)

- Moved information originally contained in step 6.2.1.b to steps 6.2.1.c and d.
- Added section 6.2.2 detailing steps for personnel accountability without a site evacuation being declared.
- Added section 6.2.3 detailing steps for personnel accountability of a limited area of the plant Protected Area.
- Added EOF to list of facilities to be evaluated for evacuation in Step 6.1.1c.

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1.0 PURPOSE

1.1 This procedure describes actions to take for two types of evacuations:

- 1.1.1 Site Evacuation
- 1.1.2 Limited Evacuation

1.2 This procedure also describes actions to be taken to ensure personnel accountability within the protected area.

2.0 RESPONSIBILITIES

2.1 Shift Manager/Emergency Director - Is responsible for:

- 2.1.1 Determining whether or not evacuation is necessary and the extent of the evacuation.
- 2.1.2 Implementation of this procedure when emergency conditions require protection for onsite personnel.
- 2.1.3 Ensuring that periodic announcements are made over the Plant PA and the Site Paging System (#7929) concerning:
 - a. Nature and location of the event
 - b. Required personnel actions
 - c. Any other information pertinent to the event.
- 2.1.4 Ensuring that CAS and/or SAS is advised of an evacuation.
- 2.1.5 Providing instructions to Health Physics concerning non-emergency personnel who have evacuated to the Health Physics area of the 93' level of the Control Building, during a Limited Evacuation or reported for accountability during personnel accountability without an evacuation.
- 2.1.6 Initiating actions to locate individuals not accounted for.

2.2 Security Coordinator - Is responsible for:

- 2.2.1 Personnel accountability, personnel and traffic control once an evacuation has been initiated.
- 2.2.2 Ensuring that buildings and trailers in the protected area are evacuated, and as time allows, make cursory check of all buildings, outlying and laydown areas to ensure that personnel have evacuated, after a site evacuation has been ordered.

3.0 REFERENCES

- 3.1 GGNS Emergency Plan
- 3.2 Security Section Procedure 11-S-11-6, Security Response During Operating Emergencies

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4.0 ATTACHMENTS

4.1 Attachment I - GGNS Evacuation Map

5.0 DEFINITIONS

- 5.1 Emergency Response Personnel - GGNS Entergy Operations and contractor personnel who are required to respond to an emergency.
- 5.2 EOF - Emergency Operations Facility, located in the Energy Services Center.
- 5.3 Limited Evacuation - An evacuation of specific areas of the plant.
- 5.4 Site Evacuation - An evacuation of the Owner Controlled Area and Protected Area.
- 5.5 TSC - Technical Support Center
- 5.6 OSC - Operations Support Center
- 5.7 ESC - Energy Services Center
- 5.8 Owner Controlled Area - Licensee (Company) owned property surrounding the Protected Area which may be controlled by the owner or operating company for security purposes.
- 5.9 Protected Area - Area located within the Owner Controlled Area and enclosed by physical barriers to which access is controlled for security purposes.
- 5.10 CAS - Central Alarm Station
- 5.11 PA - Public Address
- 5.12 CAA - Controlled Access Area
- 5.13 SAS - Secondary Alarm Station
- 5.14 ENMC - Emergency News Media Center
- 5.15 EIC - Emergency Information Center

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6.0 DETAILS

6.1 Site Evacuation (Emergency Director/Shift Manager)

6.1.1 The Emergency Director/Shift Manager should use his best judgment to determine whether a Site or Limited Evacuation is necessary.

- a. As a general guideline, Site Evacuation is to be considered (rather than a Limited Evacuation) anytime hazardous conditions (radiological, environmental, chemical, fire etc.) threaten the health or safety of personnel in a major portion of the site or a Site Area Emergency or General Emergency is declared.

NOTE

When considering an evacuation, considerations should be made for weather conditions, traffic or radiological impediments.

- b. The following areas are evacuated if a Site Evacuation has been declared.
 - (1) The protected area (except Control Room, TSC, OSC and CAS)
 - (2) Owner Controlled Area - (except EOF, SAS, and the Security Island)
- c. Determine if further evacuations are necessary (i.e., Control Room, EOF, TSC, OSC, CAS, SAS or Security Island). If one or more of these facilities are to be evacuated, alternate sites may be used to perform the functions of the evacuated facility.

6.1.2 Immediate Actions (Control Room/TSC)

- a. Once an Evacuation has been determined to be necessary, ensure the following actions are performed:
 - (1) **Notify** Security (CAS-2402 and/or SAS-2423) before announcing an evacuation unless immediate personnel safety is at risk. If so, notify security as soon as possible after the evacuation is announced.
 - (a) Inform Security of evacuation routes to be used, area to be evacuated and destination of evacuees.

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6.1.2 (Cont.)

b. Protect Plant Personnel (Control Room/TSC)

- (1) Sound the Evacuation Alarm for five seconds.

NOTE

Activating the Evacuation Alarm also activates the flashing red evacuation lights in high noise areas of the plant.

- (2) If a release is in progress, designate appropriate evacuation routes (North or South Gate) and Evacuation Reception Centers; Warren Central High School (north), Hinds Community College - Utica Campus (northeast), Hazelhurst High School (east), Natchez High School (south).
- (3) The Emergency Director or designee should make an announcement similar to the following on the PA system (to the entire site):

NOTE

For security emergencies, inform all personnel to take shelter, to **NOT** move around in the plant, and to man only those emergency facilities which are necessary and that don't pose a risk to personnel.

NOTE

Italicized portions of the evacuation announcement are required if a radioactive release is in progress.

- (a)
- "ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL.**

CONDITIONS IN THE PLANT WARRANT AN IMMEDIATE SITE EVACUATION. ALL NON-EMERGENCY PERSONNEL EVACUATE THE SITE. USE THE _____ GATE AND REPORT TO THE _____ EVACUATION RECEPTION CENTER. ALL EMERGENCY RESPONSE PERSONNEL REPORT TO YOUR EMERGENCY RESPONSE FACILITY.

- (b) All PA announcements should be repeated.

- (4) Emergency Response Personnel that are assigned to the Control Room, TSC, CAS, SAS, Security Island or OSC teams that are currently in the field, need not report to the OSC for accountability.

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6.1.2 (Cont.)

- (5) Personnel in the Controlled Access Area (CAA) normally exit immediately through the HP Lab (93' elevation of the Control Building), unless otherwise directed.
- c. Use the PA System to give frequent information updates on the status of the emergency.
- d. Notification Of Personnel Outside The Protected Area
 - (1) If a site evacuation is declared, supervisory personnel ensure that no one remains in his or her immediate work area.
 - (2) Company and contract personnel and visitors outside the protected area in the Owner Controlled Area are notified by public address system (phone #7929) or telephone.
 - (a) Based on availability of security personnel, the Security Coordinator will dispatch an officer to assist in making cursory checks of buildings, laydown yards, and other outlying areas of GGNS property to ensure that personnel have evacuated.
 - (3) Other persons who may be in public access areas near-site or passing through Company-owned property are notified by the Alerting and Notification System activated by local authorities.

6.1.3 Personnel Response In The Protected Area

- a. Emergency Response Personnel (Except for Control Room, TSC, CAS or OSC teams currently in the field)
 - (1) If exiting the CAA, the normal exit is through the Health Physics Lab on the 93' level of the Control Building, unless otherwise directed.
 - (2) Proceed to the OSC for accountability and to support emergency response actions.
 - (3) Emergency Response Personnel who respond to an offsite Emergency Response Facility are to proceed to their assigned facilities (EOF, ENMC and EIC).
- b. Non-Emergency Personnel
 - (1) Exit the protected area through Security Island, ensuring that you use the exit turnstile card reader for accountability.
- c. All personnel should be trained on evacuation routes or escorted by someone who is so trained.

6.1.4 Personnel Response Outside The Protected Area

- a. Company employees, contract personnel and visitors are to leave the Owner Controlled Area upon notification of a Site Evacuation. The normal access routes are to be used unless otherwise directed.

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6.1.4 (Cont.)

- b. Emergency Response Personnel who respond to an offsite Emergency Response Facility are to proceed to their assigned facilities (EOF, ENMC and EIC).

6.1.5 Security Personnel ResponseNOTE

During Drills/Exercises, Security Personnel do not evacuate their post.

- a. In the event that the Security Island, SAS, or other manned security areas become uninhabitable, security personnel will relocate in accordance with Security Section Procedure 11-S-11-6.
- b. If relocation to CAS is prevented for whatever reason, the Security Coordinator in conjunction with the Emergency Director will determine alternate relocation sites.
- c. All patrol personnel assigned duties in the power block will relocate in accordance with Security Section Procedure 11-S-11-6.
- d. Security Island personnel will relocate to a safe distance until hazardous conditions no longer exist.

6.1.6 Follow-up Actions (Emergency Director)

- a. Ensure periodic announcements are made over the Plant PA and the Site Paging System (#7929) concerning the evacuation.

6.2 Accountability6.2.1 Personnel Accountability Within The Protected Area with a Site Evacuation

- a. The Shift Manager/Emergency Director or designee sounds the site evacuation alarm and makes the associated announcement. Emergency Response Personnel, (except the Control Room, TSC, CAS, SAS, Security Island and OSC team personnel currently in the field), report to the OSC, Maintenance Shop. Emergency response personnel who respond to offsite Emergency Response Facilities are to proceed to their assigned facilities (EOF, EMNC, and EIC).
 - (1) Upon arrival at the maintenance shop, emergency personnel are to key card into the emergency accountability card reader and report to the OSC.
 - (2) All non-emergency personnel respond as outlined in Section 6.1.3b of this procedure.
 - (3) Personnel exiting the CAA may be requested to key card into the HP accountability reader.

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6.2.1 (Cont.)

- b. The OSC Coordinator should provide CAS with the name and badge number of OSC team members in the field within 10 minutes of the declaration of the evacuation.
- c. The Security Coordinator determines the accountability and reports it to the Emergency Director (ED). This is accomplished by providing a printout of those individuals remaining within the protected area who have not key carded into an accountability card reader. The Security Coordinator ensures that TSC, Control Room, Security personnel and OSC team personnel currently in the field are accounted for by reviewing the accountability printout.
- d. The accountability process is considered complete when all personnel on the accountability printout are accounted for or identified as missing. It is anticipated that accountability and identification of missing persons can be accomplished in approximately 30 minutes from the declaration of the emergency.

6.2.2 Personnel Accountability without a Site Evacuation

- a. The Shift Manager/Emergency Director or Offsite Emergency Coordinator makes the decision that plant conditions exist that warrant personnel accountability without a site evacuation being declared.
- b. Notify the Security officer in CAS (phone # 2402) that personnel accountability will be performed and that a site evacuation will not be declared at this time.

NOTE

A list of all personnel currently logged into the protected area and their location can be obtained by contacting security and requesting for an "Action Alert" to be run. This method of accountability will not interrupt ongoing work activities.

- c. If it is desired that all personnel within the protected area log into an accountability card reader and assemble at designated areas, perform the following steps:
 - (1) Announce over the plant paging system that personnel accountability is required and that all personnel within the protected area should proceed immediately to the nearest accountability card reader, card in and await further instructions. Accountability card readers are located in the following areas:

Maintenance shop wall near break room door
HP Lab 93' el Control Building
Control Room Kitchen
Security Island Exit Turnstiles

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6.2.2 (Cont.)

- (2) The Shift Manager, within 10 minutes of the declaration of accountability, should provide CAS with the name and badge number of Operations personnel in the field who can not immediately report to an accountability card reader.
 - (3) If the OSC is activated and OSC teams are in the field, the OSC coordinator, within 10 minutes of the declaration of accountability, should provide CAS with the name and badge number of each team member in the field.
 - (4) Personnel reporting to the maintenance shop accountability card reader should card in and then assemble in the maintenance shop break room and await further instructions.
 - (5) Non-operations personnel reporting to the Control Room kitchen accountability card reader should card in and then assemble in the 177' viewing gallery area and await further instructions.
 - (6) Operations personnel reporting to the Control Room kitchen accountability card reader should card in and then assemble in the operations locker room.
 - (7) Personnel reporting to the HP lab accountability card reader should card in and then assemble in the HP break area or the 93' Control Building hallway and await further instructions.
 - (8) Security should perform accountability for their personnel in accordance with security procedures.
- d. The accountability process is considered complete when all personnel on the accountability printout are accounted for or identified as missing.
- e. It is anticipated that the personnel accountability and identification of missing persons can be accomplished in approximately 30 minutes from the time that it is determined that accountability is required.

6.2.3 Personnel Accountability of a Limited Area within the Plant Protected Area.

- a. The Shift Manager/Emergency Director makes the decision that a limited area personnel accountability determination is needed.
- (1) Notify the security officer in CAS (phone # 2402) to perform an accountability of the desired area, Security will perform a roll call of the specified area and provide a printout with the names and badge numbers of all personnel logged into the area.

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6.3 Limited Evacuation

6.3.1 Generally, a limited evacuation may be required if the health and safety of personnel are threatened by fire, smoke, heat or flooding in a localized area.

a. When the area to be evacuated is identified:

- (1) **Notify** Security (CAS-2402/SAS-2423)
- (2) Make an announcement on the PA system identifying the area to be evacuated with directions to evacuating personnel to report to the HP laboratory or the Maintenance Shop accountability card readers.
- (3) All PA announcements should be repeated.

NOTE

It is not necessary to key card out of the affected area(s) or zone(s) during the evacuation, but personnel are required to key card into an emergency accountability card reader when directed.

- b. Request the Security Coordinator to determine accountability in the local evacuated area and report the results. This is normally accomplished by obtaining a printout of those personnel currently key carded into the affected area.
- c. During a limited evacuation, Security may be unable to determine accountability in the localized area(s). If this is the case, a building accountability should be performed and the results reported to the Emergency Director.

6.4 Evacuating Personnel Survey And Decontamination

NOTE

All personnel evacuating the site are routed, as necessary, to State/Local evacuation/decontamination centers.

- 6.4.1 In the event that a radiological release occurs before the evacuation is completed, personnel and vehicles may be surveyed and decontaminated as needed. If a delay due to decontamination poses an undue risk to evacuating personnel, then personnel, vehicles, and materials are directed to an offsite monitoring and decontamination facility. A monitoring and decontamination station is established at the EOF when directed by the Emergency Director.
- 6.4.2 All personnel exiting the CAA are monitored for contamination.
- 6.4.3 Personnel decontamination should be performed in accordance with 08-S-02-22, Personnel Decontamination.

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- 6.4.4 All personnel decontamination done on site is to be performed by or supervised by qualified Senior Health Physicists.
- 6.4.5 Decontamination involving internal contamination (absorption through wounds, ingestion, etc.) should be performed under the supervision of qualified First Aid personnel.

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GGNS EVACUATION MAP

ATTENTION TO VISITORS:

As a visitor to Grand Gulf Nuclear Station you are required to adhere to instructions announced over the P.A. System during any declared emergency. Announcement of a site evacuation will require an immediate and orderly exit from the site as directed.

(See map below for evacuation routes)

