

Entergy Operations, Inc. P.O. Box 756 Port Gibson, MS 39150 Tel 601 437 2800

February 28, 2002

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

Subject: Changes to Emergency Plan Implementing Procedures – February 28, 2002

Grand Gulf Nuclear Station Docket No. 50-416 License No. NPF-29

GNRO-2002/00024

Ladies & Gentlemen:

Entergy Operations, Inc. submits in accordance with 10CFR50 Appendix E, Section V changes to the following Emergency Plan Implementing Procedure:

10-S-01-19 Rev. 13

This letter does not contain any commitments.

Yours, truly,

Charles A. Bottemiller, Licensing Manager

MJL attachment: 1. Procedure 10-S-01-19 cc:

(See Next Page)

February 28, 2002 GNRO-2002/00024 Page 2 of 2 cc:

ReynoldsN. S.(w/aSmithL. J.(Wise Carter)(w/a	Hoeg	T. L.	(GGNS Senior Resident)	(w/a)
Smith L. J. (Wise Carter) (w/a	Levanway	D. E.	(Wise Carter)	(w/a)
	Reynolds	N. S.		(w/a)
Thomas H. L. (w/c	Smith	L. J.	(Wise Carter)	(w/a)
	Thomas	H. L.		(w/o)

Mr. E. W. Merschoff (w/2)	ALL LETTERS
Regional Administrator	
U.S. Nuclear Regulatory Commission	
Region IV	
611 Ryan Plaza Drive,	
Suite 400 Arlington, TX 76011	
U.S. Nuclear Regulatory Commission	ALL LETTERS – U.S. POSTAL
ATTN: Mr. S. P. Sekerak, NRR/DLPM (w/2)	SERVICE MAIL DELIVERY
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PLANT OPERATIONS MANUAL

Volume 10

Section 01

10-S-01-19 Revision: 13 Date: 2/21/02

EMERGENCY PLAN PROCEDURE

PERSONNEL INJURY

SAFETY RELATED

Prepared:	Ampla	m Per Al	der	
Reviewed:	Mist			
Concurred:	Technical	pl		
PSRC:	Manager, Operations			
Approved:	1 Brad Elwards		man	
6	Flant General Manager	M	anager, Emergency	Preparedness

List of Effective Pages:

Pages 1-7

Attachments I-II

List of TCNs Incorporated:

Revision	TCN
0	None
1	1
2	None
3	None
4	None
5	None
6	None
7	None
8	None
9	None
10	None
11	None
12	None
13	None

EMERGENCY PLAN PROCEDURE

Title: Personnel Injury	No.:	10-5-01-19	Revision:	13	Safety
					Evaluation

Facility: _Grand Gulf Nuclear Station____

Document Reviewed: ____10-S-01-19, Personnel Injury_____

System Designator(s): _____

Check the applicable review(s):

X	SCREENING	Sections I, II, and III required
	50.59 EVALUATION EXEMPTION	Sections I, II, III, and IV required
	50.59 EVALUATION Evaluation #:	Sections I, II, III, and V required

NOTE: Only the sections required as indicated above must be included in the Review.

SIGNATURES	OVERVIEW
Preparer: (/Richard Van Den Akker/EOI/NSA-EP Staff/1-24-02 Signature / Name (print) / Company / Department / Date
Reviewer:	Mash M. RASCH EDJ TRAINING 1/24/2002
	Gignature / Name (print) / Company / Department / Date
(PSRC):	10 10 10 100 205 205 201 2/14/2002
	Chairman's Signature / Date (N/A for Screenings and 50.59 Evaluation Exemptions)
List of A Personnel	ssisting/Contributing
Name:	Scope of Assistance:

Description of Proposed Change

This revision to 10-S-01-19 adds the River Region Medical Center as an offsite medical facility, and removes ParkView Regional Medical Center and Vicksburg Medical Center. This revision also corrects Radiation Protection department titles to be consistent with titles in the FSAR.

EMERGENCY PLAN PROCEDURE

Title: Personnel Injury	No.:	10-5-01-19	Revision:	13	Safety
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II. SCREENING

A. Licensing Basis Document Review

Does the proposed activity impact the facility or a procedure as described in any of the following Licensing Basis Documents?

Operating License	YES	NO	N/A	CHANGE # and/or SECTIONS TO BE REVISED			
Operating License		ß					
TS		X					
NRC Orders							
If "YES" obtain NBC approval prior to implementing the change. (See Section 5.1.13 for exceptions.)							

If "YES", obtain NRC approval prior to implementing the change. (See Section 5.1.13 for exceptions.)

LBDs controlled under 50.59	YES	NO	N/A	CHANGE # and/or SECTIONS TO BE REVISED		
UFSAR	X			Section 13.3 Emergency Planning		
TS Bases	a	X				
Technical Requirements Manual		ß				
Core Operating Limits Report		X				
Fire Hazard Analysis		X				
Fire Protection Program	D	X				
Offsite Dose Calculations Manual		X				
Process Control Program		ß				
NRC Safety Evaluation Reports ¹		X				
If "YES", perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.						

LBDs controlled under 72.48	YES	NO	N/A	CHANGE # and/or SECTIONS TO BE REVISED			
Cask UFSAR			X				
Certificate of Compliance			X				

If "YES", evaluate/process any changes in accordance with 72.48

LBDs controlled under other regulations	YES	NO	N/A	CHANGE # and/or SECTIONS TO BE REVISED		
Quality Assurance Program Manual ²		ß				
Emergency Plan ²	X	D		Sections 5.6.1, 6.7.4 and Section D pages 1, 15-18		
Security Plan ^{2, 3}	D	8				
Inservice Inspection Program	0	X				
Inservice Testing Program ⁴	0	Ø				
If "YES", evaluate/process any changes in a	ccordan	ce with	the app	propriate regulation.		

¹ If "YES," see Section 5.1.5.

 $^{^{2}}$ If "YES," notify the responsible department and ensure a 50.54 Evaluation is performed.

³ The Security Plan is classified as safeguards and can only be reviewed by personnel with the appropriate security clearance. The Preparer should notify the security department of potential changes to the Security Plan.

 $^{^{4}}$ If "YES", process the change in accordance with the 10CFR50.55a control program.

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X

B. Does the proposed activity involve a test or experiment not described in the FSAR? Yes If "yes," perform an Exemption No Review per Section IV <u>OR</u> perform a 50.59 Evaluation per Section V.

C. <u>Basis</u>

(Provide a basis for the "no" items checked in Sections II.A and II.B, above. Adequate basis must be provided within the Screening such that a third-party reviewer can reach the same conclusions. Simply stating that the change does not affect TS or the FSAR is not an acceptable basis. If a 50.59 Evaluation is required, this section may be N/A'd.)

An electronic search was conducted on the following Licensing Basis Documents: Technical Specifications, FSAR and Emergency Plan. The search was conducted using the keywords HOSPITAL, MEDICAL, PARKVIEW, VICKSBURG MEDICAL, INJURY, FIRST AID. 10CFR20.1502 was also reviewed.

Searches revealed that the hospitals used to support Grand Gulf are listed in the GGNS Emergency Plan sections 5.6.1, 6.7.4 and appendices B and D, and in the FSAR section 13.3. An Emergency Plan Change and an FSAR change have been initiated (LBDC 2002-010 and Emergency Plan Revision 47).

This change does not affect the level of medical care available to support Grand Gulf during emergencies. The new medical facility will have an emergency room larger than the other two facilities emergency rooms combined, including a decontamination room designed for hazardous material, including radiological. The personnel staffing the new facility have been trained to handle radiological incidents while at the other hospitals.

Offsite medical facilities have no affect on the operation of Grand Gulf Nuclear Station, or the maintenance of plant structures, systems or components. Offsite medical facilities will not affect and tests, procedures or evolutions at Grand Gulf and will have no impact on severity or occurrence of any accidents.

D. Is the validity of this Review dependent on any other change? (See Section 5.2.2.4 of the EOI NO 10CFR50.59 Program Review Guidelines)

If "Yes," list the required changes.

Emergency Plan Revision 47

LBDC Change 2002-010

E. <u>References</u>

[Discuss the methodology for performing the LBD search. State the location of relevant licensing document information and explain the scope of the review such as electronic search criteria used (e.g., key words) or the general extent of manual searches per Section 5.2.2.4 of LI-101.]

Documents:	Keywords:
FSAR, Technical Specifications, GGNS Emergency Plan, 10CFR20.1502	HOSPITAL, MEDICAL, PARKVIEW, INJURY, FIRST AID
FSAR Sections Reviewed:	FSAR Figures Reviewed:
13.3 Emergency Planning	None

18.0 Response to TMI related Requirements

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	Evalu	ation

III. ENVIRONMENTAL SCREENING

If any of the following questions is answered "yes," an Environmental Review must be performed in accordance with NMM Procedure EV-115, "Environmental Evaluations." Will the proposed Change being evaluated: Yes <u>No</u> \boxtimes Involve a land disturbance of previously disturbed land areas in excess of one acre (i.e., grading activities, construction of buildings, excavations, reforestation, creation or removal of ponds)? X Involve a land disturbance of undisturbed land areas (i.e., grading activities, construction, excavations, reforestation, creating, or removing ponds)? X Involve dredging activities in a lake, river, pond, or stream? X Increase the amount of thermal heat being discharged to the river or lake? Increase the concentration or quantity of chemicals being discharged X to the river, lake, or air? X Discharge any chemicals new or different from that previously discharged? Change the design or operation of the intake or discharge X structures? Modify the design or operation of the cooling tower that will X change water or air flow characteristics? Modify the design or operation of the plant that will change the X path of an existing water discharge or that will result in a new water discharge? Modify existing stationary fuel burning equipment (i.e., diesel N fuel oil, butane, gasoline, propane, and kerosene)? X Involve the installation of stationary fuel burning equipment or use of portable fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)? X Involve the installation or use of equipment that will result in an air emission discharge? R Involve the installation or modification of a stationary or mobile tank? Involve the use or storage of oils or chemicals? п X Involve burial or placement of any solid wastes in the site area X that may effect runoff, surface water, or groundwater?

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			Evaluation

10CFR50.54(q) SCREENING

1. DOCUMENT INFORMATION

Procedure/Document Number: 10-S-01-19	Proc./Doc. Revision: 13
Document Title: Personnel Injury	
Brief Description of Proposed Revision:	
Revision 13 adds River Region Medical Cente facilities and removes Parkview RegionalMed Center.	
Emergency Plan Revision 47 and FSAR change	LBDC 2002-010 include these changes.

This revision also corrects Radiation Protection department titles to be consistent with those in the FSAR.

2. SCREENING

A.) Does the proposed revision require a change to the Emergency Plan?

B.) Does the proposed revision change the site Emergency Action Levels (EALs)?

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If the answer to either question is YES, then a 50.54(q) evaluation must be performed.

3. APPROVAL

Screening Completed By:

Screening Reviewed By:

Signature Ðate 2/13/02

Date

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RPTS FORM

10CFR50.59 Review Required? (X) Yes If	Yes, attach 50.59 Review Form
() NO NO	t required per LI-101
Cross-Discipline review required? (X)	Yes (Note affected Departments Below)
	No
Preparer Initials>>> //	
Department Cross-Discipline Reviews Need	led Signoff (signed, eleftronic, telcon)

Does this directive contain Tech Spec Triggers? () YES (X) NO

REQUIREMENTS CROSS-REFERENCE LIST

Requirement Implemented	by Directive	Directive Paragraph Number
Name	Paragraph Number	That Implements Requirement
GGNS Emergency Plan	6.7.3.S1, S2 & 6.7.4.S5	6.3.1 (Note) & 6.4.1
10 CFR 50	72.B.3.XII	6.1.2 (Caution)
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* Covered by directive as a whole or by various paragraphs of the directive.

NOTE

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

Component Database Change Request generated and the backup documentation available for setpoint and/or calibration data only [] Yes 🛛 N/A CDBCR # _____

Current Revision Statement

Revision 13:

- Adds River Region Medical Center and removes Vicksburg and ParkView Medical Centers.
- Minor editorial changes.
- Corrects Radiation Protection titles.

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1.0 PURPOSE AND DISCUSSION

1.1 <u>Purpose</u>

- 1.1.1 To provide guidance on response to, reporting of, and transfer of injured personnel under the following conditions:
 - a. Injured person requiring transport to an offsite medical care facility
 - b. Any injuries discovered during an emergency classification

1.2 Discussion

1.2.1 By agreement between Entergy Operations, Inc. and the primary and backup medical care facilities, personnel at the Grand Gulf Nuclear Station sustaining injuries from ionizing radiation or injuries complicated by radiation exposure or radioactive contamination are to be provided care and treatment at those facilities. Procedures and equipment for this care and treatment are maintained at these facilities.

> An individual whose clothing, skin and/or wounds are <u>contaminated</u> with radioactive material may present a radiation hazard to attending personnel in the absence of adequate procedures to prevent the spread of the contaminant, or control the radiation exposure in the event of radioactive shrapnel wound.

Since radiation injuries are not immediately life-threatening, primary attention should always be directed to traumatic life-threatening injuries. After such treatment is rendered, the patient should be decontaminated.

2.0 <u>RESPONSIBILITIES</u>

- 2.1 <u>The Superintendent, Radiation Protection</u> Is responsible for the implementation of the First Aid Program at GGNS.
- 2.2 <u>The Radiation Protection Supervisor</u> Is responsible for the administration and management of the First Aid Program including:
 - 2.2.1 The assignment of an EMT to each Radiation Protection shift.
 - 2.2.2 Maintenance of first aid supplies and medical emergency response equipment.
 - 2.2.3 Transportation of injured personnel to the hospital and contamination control measures as necessary.
- 2.3 <u>All GGNS personnel</u> Are to immediately report observed serious injuries to the <u>Control Room</u>. Personnel within the Protected Area requiring minor first aid are to report to <u>Radiation Protection</u> for medical treatment.
- 2.4 <u>The OSC Coordinator</u> Is responsible for organizing and dispatching of First Aid Teams per EPP 10-S-01-29 when the OSC is operational.
- 2.5 <u>The Emergency Director</u> Is responsible for notifying the <u>Information Specialist</u> regarding worker injuries during a declared emergency.

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3.0 REFERENCES

3.1 First Aid, 01-S-08-17

4.0 ATTACHMENTS

- 4.1 Attachment I Transport Routes to Claiborne County Hospital
- 4.2 Attachment II Transport Routes to River Region Medical Center

5.0 DEFINITIONS

- 5.1 OSC Operations Support Center
- 5.2 TSC Technical Support Center
- 5.3 RPS Radiation Protection Supervisor
- 5.4 REA Radiation Emergency Area

6.0 DETAILS

- 6.1 <u>Reporting of Injuries</u>
 - 6.1.1 Any individual finding an injured person who requires major medical assistance is to <u>immediately notify the Control Room</u> by the quickest available means.
 - a. The following information should be provided to the Control Room:
 - (1) Name and location of the injured person
 - (2) Extent of injuries
 - (3) <u>Name</u> of the caller

NOTE

Maintain communications with the Control Room until all reported information is properly acknowledged.

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6.1.2 The <u>Control Room</u> is to perform the following actions:

- a. Immediately notify the Radiation Protection (RP) Lab.
- b. Consider notifying Plant Personnel of the event via the PA System, requesting unnecessary personnel stay clear of the area.
- c. Notify the <u>OSC if activated</u> and provide the applicable information about the location of the worker and extent of injuries, if known.
- d. Notify the Emergency Director in the TSC (if operational).

CAUTION

If a contaminated injured person is transported to an offsite medical facility, the NRC shall be notified within four hours, in accordance with 01-S-06-5.

6.2 <u>Immediate Actions</u>

- 6.2.1 Upon receiving notification of a medical emergency:
 - a. Dispatch a First Aid Team to the scene of the medical emergency. The First Aid personnel should be equipped with the following:
 - (1) First Aid trauma kit
 - (2) Portable radio
 - (3) <u>Radiological survey instruments and personnel</u> <u>protective equipment</u> (i.e., respiratory protection devices, PCs) suitable for the hazards at the location and the nature of the event which caused the injury (i.e., fire, explosion).
 - b. The First Aid Team should establish and maintain communications with the RP Lab, Control Room, or TSC and provide periodic updates.
- 6.2.2 <u>First Aid personnel</u> are to perform the following actions at the scene of the medical emergency:
 - a. Determine the injured person's physical condition and extent of injuries.
 - b. Administer first aid necessary to sustain life and to stabilize the injured worker.
 - c. Move the injured person to a safe location if lifethreatening radiological or physical hazards are present.
 - d. If the injury occurred in a radiologically posted area, perform a contamination survey of the injured worker and read the worker's dosimetry.

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6.2.2 (Cont.)

- e. Provide the following information to the RP Lab or OSC HP Coordinator:
 - (1) Name and location of the injured person.
 - (2) **Extent** of injuries and treatment being administered.
 - (3) Personnel <u>contamination survey</u> and <u>dosimeter</u> results for the injured worker.
 - (4) The need for an ambulance or other assistance.

NOTE

Radiation Protection (OSC HP Coordinator) must notify the Control Room and provide the above information.

- f. Prepare the injured worker for transfer to the hospital.
- g. Radiation Protection personnel at the scene of the medical emergency must perform radiological surveys as necessary to protect team members and support personnel.
- 6.3 Ambulance Transport

NOTE

The transport of injured persons is normally provided by the regional ambulance service. If the regional ambulance service is unavailable, the injured person should be transported in company owned or private vehicle.

- 6.3.1 The <u>Control Room</u> must notify <u>Security</u> if an Onsite or an Offsite ambulance is requested and must specify the patient pickup point.
 - a. The <u>Security Coordinator</u> must ensure that Offsite ambulance crews are issued dosimetry at the entrance to the Protected Area.
 - b. Radiation Protection personnel at the scene of the medical emergency must ensure that Offsite ambulance crew members are properly wearing the appropriate dosimetry and protective clothing for entry into radiologically controlled areas.

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- 6.3.2 The <u>Shift Manager</u> should notify the <u>On-Call Duty Manager</u> and inform him of the transportation of an injured contaminated worker to the hospital.
- 6.3.3 The RP Supervisor/Shift Lead HP (OSC HP Coordinator) receiving the initial information must notify the hospital and provide the following information as soon as possible.
 - a. <u>Name</u> of injured worker(s)
 - b. <u>Extent</u> of injuries
 - c. <u>Contamination</u> levels on injured worker(s), if applicable
 - d. Expected arrival time at hospital, if known.

NOTE

The hospital must receive this information as soon as possible in order to make the necessary preparations for the emergency treatment of the worker. The hospital phone numbers are listed in the Emergency Telephone Book.

- 6.3.4 <u>GGNS personnel</u> should perform the following enroute to the hospital:
 - a. <u>Perform a detailed contamination survey</u> of the injured worker if the injury occurred in a Radiologically Controlled Area.

NOTE

- A frisker is normally maintained in the Onsite Ambulance.
- Surveys may be limited or impractical due to the extent of injuries received by the worker.

6.4 Offsite Medical Facilities

- 6.4.1 The Radiation Protection Supervisor/Shift Lead HP (OSC HP Coordinator) is responsible for determining which medical facility to use. Facilities available for use include:
 - a. Claiborne County Hospital
 - b. River Region Medical Center
- 6.4.2 Attachment I and II are used to determine transportation routes to the medical facilities.

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- 6.4.3 Process for selecting hospital facilities during non-radiological emergencies is:
 - a. Non-contaminated, non-life threatening:

River Region Medical Center, or Claiborne County Hospital. Street Clinic in Vicksburg is recommended where applicable.

- Non-contaminated, life threatening transport to Claiborne County Hospital.
- c. Plant Safety and EMT personnel may also authorize hospital locations during non-radiological emergencies using the guidelines above.
- 6.4.4 Contaminated personnel with minor or major injuries should be transported to one of the medical facilities identified in 6.4.1.
- 6.4.5 Patients must be delivered to hospital facilities as follows:
 - a. All injured workers who are not contaminated should be transported directly to the hospital Emergency Room.
 - b. Contaminated personnel should be transported to the hospital <u>Radiation Emergency Area</u>.
- 6.4.6 When a contaminated injured worker is transported to the hospital, GGNS personnel at the hospital should provide the following support, if available:
 - a. Provide the physician with all available information concerning the accident and the contamination hazards present, upon request.
 - b. Assist the hospital staff, if possible.
 - c. Coordinate the collection and disposal of contaminated waste materials.
 - d. Collect Offsite ambulance crew dosimetry and perform contamination survey of ambulance. Arrange for decontamination, if necessary.

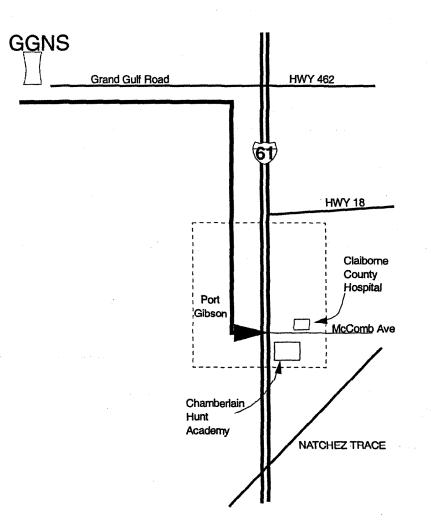
6.5 <u>Hospital Preparation to Receive Patients</u>

6.5.1 The hospital room REA (Radiation Emergency Area) is normally set up by hospital personnel before the arrival of the patient.

EMERGENCY PLAN PROCEDURE

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Attachment I	Page 1 of 1





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EMERGENCY PLAN PROCEDURE

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Attachment II	Page 1 of 1

DIRECTIONS TO RIVER REGION MEDICAL CENTER

