



Entergy Operations, Inc.
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Charles A. Bottemiller
Manager
Plant Licensing

March 17, 2003

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

Subject: Changes to Emergency Plan Implementing Procedures – March 17, 2003

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

GNRO-2003/00020

Ladies & Gentlemen:

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

| | |
|---------------------|---------------------|
| 10-S-01-06, Rev. 37 | 10-S-01-11, Rev. 17 |
| 01-S-10-3, Rev. 10 | TQ-110, Rev. 2 |

This letter does not contain any commitments.

Yours truly,

A handwritten signature in black ink, appearing to read "C.A. Bottemiller".

Charles A. Bottemiller,
Licensing Manager

MJL

attachment: 1. Procedure 10-S-01-06
2. Procedure 10-S-01-11
3. Procedure 01-S-10-3,
4. TQ-110
cc: (See Next Page)

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

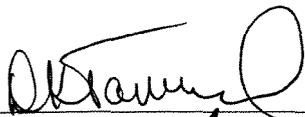
| | |
|---|--|
| U.S. Nuclear Regulatory Commission ATTN: Mr. E. W. Merschoff (w/2) 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011-4005 | ALL LETTERS |
| U.S. Nuclear Regulatory Commission ATTN: Mr. David H. Jaffe NRR/DLPM (w/2) ATTN: FOR ADDRESSEE ONLY ATTN: U.S. Postal Delivery Address Only Mail Stop OWFN/7D-1 Washington, D.C. 20555-0001 | ALL LETTERS – U.S. POSTAL SERVICE MAIL DELIVERY ADDRESS ONLY |

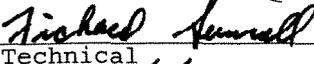
PLANT OPERATIONS MANUAL

Volume 10
Section 01

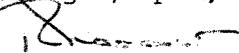
10-S-01-6
Revision: 37
Date: 03/05/03

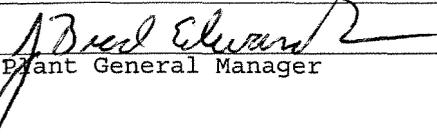
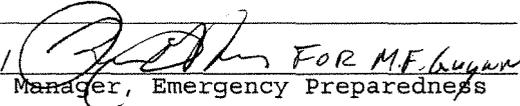
EMERGENCY PLAN PROCEDURE
NOTIFICATION OF OFFSITE AGENCIES AND
PLANT ON-CALL EMERGENCY PERSONNEL
SAFETY RELATED

Prepared: 

Reviewed: 
Technical

Concurred: 
Manager, Operations

OSRC: 

Approved:  Plant General Manager
 FOR M.F. Sugar
Manager, Emergency Preparedness

List of Effective Pages:

Page 1-16

Attachments I

List of TCNs Incorporated:

| <u>Revision</u> | <u>TCN</u> | <u>Revision</u> | <u>TCN</u> |
|-----------------|------------|-----------------|------------|
| 0 | None | 32 | None |
| 1 | 1 | 33 | None |
| 2-5 | None | 34 | 14 |
| 6 | 2 | 35 | None |
| 7 | 3,4,5 | 36 | None |
| 8-10 | None | 37 | None |
| 11 | 6 | | |
| 12-16 | None | | |
| 17-19 | None | | |
| 20 | 7 | | |
| 21 | None | | |
| 22 | 8,9 | | |
| 23 | None | | |
| 24 | 10 | | |
| 25 | None | | |
| 26 | 11 | | |
| 27 | None | | |
| 28 | None | | |
| 29 | 12 | | |
| 30 | None | | |
| 31 | 13 | | |

| | | | | | | |
|---|---|---|---------------|-------------------|-----------|----------|
|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | Revision 2 | | |
| | | INFORMATION USE | | | | |
| ATTACHMENT 9.1 | | 50.59 REVIEW FORM | Page | 1 | of | 4 |

I. OVERVIEW / SIGNATURES

Facility: GGNS

Document Reviewed: 10-S-01-6 Change/Rev. 37

System Designator(s)/Description: N/A

Description of Proposed Change

Changes MEMA to primary and MHP to secondary for Emergency Notification to implement Emergency Plan Rev 49. Grammatical changes. Changes ENS failure notification from 'GGNS Telecommunications' to 'initiate a Helpdesk Case'.

If the proposed activity, in its entirety, involves any one of the criteria below, check the appropriate box, provide a justification/basis in the Description above, and forward to a Reviewer. No further 50.59 Review is required. If none of the criteria is applicable, continue with the 50.59 Review.

- The proposed activity is editorial/typographical as defined in Section 5.2.2.1.
- The proposed activity represents an "FSAR-only" change as allowed in Section 5.2.2.2_____. (Insert item # from Section 5.2.2.2).
- The proposed activity is controlled by another regulation per Section 5.2.2.3.

If further 50.59 Review is required, check the applicable review(s): (Only the sections indicated must be included in the Review.)

| | | |
|-------------------------------------|------------------------------------|---|
| <input checked="" type="checkbox"/> | SCREENING | Sections I, II, and III required |
| <input type="checkbox"/> | 50.59 EVALUATION EXEMPTION | Sections I, II, III, and IV required |
| <input type="checkbox"/> | 50.59 EVALUATION (#: _____) | Sections I, II, III, and V required |

Preparer: Richard Sumrall / *Richard Sumrall* / EOI / EP / 1/28/03
Name (print) / Signature / Company / Department / Date

Reviewer: Richard VanDerAkker / *Richard VanDerAkker* / EOI / EP / 1-28-03
Name (print) / Signature / Company / Department / Date

OSRC: N/A
Chairman's Name (print) / Signature / Date
[Required only for Programmatic Exclusion Screenings (see Section 5.8) and 50.59 Evaluations.]

List of Assisting/Contributing Personnel:

Name: Larry Durden

Scope of Assistance:

Evaluate changes against Security Plan.

| | | | | | | |
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II. SCREENING

A. Licensing Basis Document Review

1. Does the proposed activity impact the facility or a procedure as described in any of the following Licensing Basis Documents? (Check "N/A" for those documents that are not applicable to the facility.)

| Operating License | YES | NO | N/A | CHANGE # and/or SECTIONS IMPACTED |
|-------------------|--------------------------|-------------------------------------|--------------------------|-----------------------------------|
| Operating License | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Orders | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

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 # (if applicable) and/or SECTIONS IMPACTED |
|--|--------------------------|-------------------------------------|-----|---|
| FSAR | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS Bases | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Technical Requirements Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Core Operating Limits Report | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Offsite Dose Calculations Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Safety Evaluation Reports ¹ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |

If "YES", perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.

| LBDs controlled under other regulations | YES | NO | N/A | CHANGE # (if applicable) and/or SECTIONS IMPACTED |
|--|--------------------------|-------------------------------------|--------------------------|---|
| Quality Assurance Program Manual ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Emergency Plan ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Security Plan ^{2,3} | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Fire Protection Program ⁴ (includes the Fire Hazards Analysis) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

If "YES", evaluate/process any changes in accordance with the appropriate regulation.

2. Does the proposed activity involve a test or experiment not described in the FSAR? Yes
 No
 If "yes," perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.
3. Does the proposed activity potentially impact equipment, procedures, or facilities utilized for storing spent fuel at an Independent Spent Fuel Storage Installation? Yes
 No
 N/A
 (Check "N/A" if dry fuel storage is not applicable to the facility.)
 If "yes," perform a 72.48 Review in accordance with NMM Procedure LI-112.
 (See Sections 1.5 and 5.3.1.5 of the EOI 10CFR50.59 Review Program Guidelines.)

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," evaluate the change in accordance with the requirements of the facility's Operating License Condition.

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|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | Revision 2 | | |
| | | INFORMATION USE | | | | |
| ATTACHMENT 9.1 | | 50.59 REVIEW FORM | Page | 3 | of | 4 |

B. Basis

(Provide a clear, concise basis for the answers given in the applicable sections 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.)

Performed a search of the RefLibrary online Operating License, TechSpecs, TechSpec Bases, TRM, COLR, NRC Orders, Emergency Plan, Fire Protection Plan, UFSAR, and QAPM for the keywords Emergency Notification, ENS, MEMA, Mississippi Emergency, Mississippi Emergency Management Agency, Mississippi Highway, Mississippi Highway Safety Patrol.

Hits were returned in the Emergency Plan Sections 2.1.4, 2.2.4, 2.4.3, 4.3.5, 4.3.6, 5.7.1, 5.7.5, 6.2.4, 7.4.2, 7.5.3, Evacuation Plan, Letters of Agreement, and Table 7-1.

2.1.4 and 2.2.4 are definitions, which are consistent with the procedure. 2.4.3 describes the role of MEMA, which is consistent with the procedure. 4.3.5/4.3.6 details the agencies to which the ENMC must coordinate and is consistent with the procedure. 5.7.1 details the responsibilities of MEMA and Mississippi Highway Safety Patrol, which are consistent with the procedure. 5.7.5 details operation of the ENS, which is consistent with the procedure. 6.2.4 shows an example of the Emergency Notification Form, which is consistent with the procedure. 7.4.2 describes the operation of the Mississippi State Emergency Operations Center and is consistent with the procedure. 7.5.3.a.2 details use of the ENS which is consistent with the procedure. Table 7-1 lists the contacts for the different agencies and is consistent with the procedure. The Letters of Agreement specify interrelations and responsibilities for the different agencies and are consistent with the procedure.

Performed a search of the online SERS with the FULFIND program for the keywords Emergency Notification, ENS, MEMA, Mississippi Emergency, Mississippi Emergency Management Agency, Mississippi Highway Safety Patrol, and Mississippi Highway. No relevant hits returned.

Security personnel have evaluated the changes against the Security Plan and identified no changes or inconsistencies.

C. References

[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 5.3.6.4 of LI-101.]

LBDs/Documents Reviewed:

Keywords:

Operating License, TechSpecs, TechSpec Bases, TRM, COLR, NRC Orders, Emergency Plan, Fire Protection Plan, UFSAR, and QAPM, SERS

Emergency Notification, ENS, MEMA, Mississippi Emergency, Mississippi Emergency Management Agency, Mississippi Highway, Mississippi Highway Safety Patrol

- D. Is the validity of this Review dependent on any other change?** (See Section 5.3.4 of the EOI 10CFR50.59 Program Review Guidelines.) **Yes** **No**

If "Yes," list the required changes.

Grand Gulf Nuclear Station Emergency Plan Revision No. 49

| | | | | | | |
|---|---|---|---------------|-------------------|-----------|----------|
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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," and attached to this 50.59 Review.

Will the proposed Change being evaluated:

Yes No

- 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)?
- Involve a land disturbance of undisturbed land areas (i.e., grading activities, construction, excavations, reforestation, creating, or removing ponds)?
- Involve dredging activities in a lake, river, pond, or stream?
- Increase the amount of thermal heat being discharged to the river or lake?
- Increase the concentration or quantity of chemicals being discharged to the river, lake, or air?
- Discharge any chemicals new or different from that previously discharged?
- Change the design or operation of the intake or discharge structures?
- Modify the design or operation of the cooling tower that will change water or air flow characteristics?
- Modify the design or operation of the plant that will change the path of an existing water discharge or that will result in a new water discharge?
- Modify existing stationary fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)?¹
- 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)?¹
- Involve the installation or use of equipment that will result in an air emission discharge?
- Involve the installation or modification of a stationary or mobile tank?
- Involve the use or storage of oils or chemicals?
- Involve burial or placement of any solid wastes in the site area that may effect runoff, surface water, or groundwater?

¹ See NMM Procedure EV-117, "Air Emissions Management Program," for guidance in answering this question.

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RPTS FORM

| | | |
|------------------------------------|---|----------------------------------|
| 10CFR50.59 Review Required? | <input checked="" type="checkbox"/> Yes | If Yes, attach 50.59 Review Form |
| | <input type="checkbox"/> No | Not required per LI-101 |

| | | |
|--|---|-----------------------------------|
| Cross-Discipline review required? | <input checked="" type="checkbox"/> Yes | (Note affected Departments Below) |
| | <input type="checkbox"/> No | |
| Preparer Initials>>> DSE | | |

| Department Cross-Discipline Reviews Needed | Signoff <small>(signed, electronic, telcon)</small> |
|--|--|
| TSC Communicator Lead | <i>[Signature]</i> 1-21-03 |
| EOF Communicator Lead | <i>[Signature]</i> 1/21/03 |
| Admin Director Lead | <i>[Signature]</i> 1-21-03 |
| | |
| | |
| | |
| | |

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 |
| 10CFR50 | 72.A.4 | 6.4.2 |
| AECM 84/0397 | Page 2, Para.1 | 2.4.1, 6.6.4 |
| AECM 84/0397 (GIN-95/02001) | Page 1, S2 Item 1 | 6.6.3 |
| GGNS Emer Plan | 3.3.S3, S4 | 2.3.S1,S2 |
| GGNS Emer Plan | 5.7.5.S5 | 6.1.1.c (Note) S2 |
| GGNS Emer Plan | 6.2.4.S3 | 6.1.1.c |
| GGNS Emer Plan | 6.2.4.S4 & S5 | 6.1.1.a |
| GGNS Emer Plan | 6.2.4.S6 | 6.1.1.b(2), 6.1.1.c(Note) |
| GGNS Emer Plan | 6.2.4.S9 & S10 | 2.5.3 |
| GGNS Emer Plan | 7.5.3a.2.e | 6.4.2 |
| GGNS Emer Plan | 7.5.3.b | 6.3.2 |
| GGNS Emer Plan | 7.5.S6 | 6.2.2 |
| GGNS Emer Plan | 8.8.S4 | 6.6 |
| GGNS Emer Plan | 8.8.S5 | 6.1.1.a.1 |
| GIN-95/02001 | * | 6.6.3 |
| GNRI-94/00122 | NRC AL 94-04 | 6.4.1.b, 6.4.5.d.S2 |

* 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 # _____

| | | | |
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Current Revision Statement

Revision 37:

- Changes MEMA to primary and MHP to secondary for Emergency Notification to implement Emergency Plan Rev 49. MEMA's EOC is now 24 hour operation and requested to be the primary notification point for the state of Mississippi with MHP as the secondary.
- Grammatical changes
- Changes ENS failure notification from 'GGNS Telecommunications' to 'initiate a Helpdesk Case'.

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| Title: Notification of Offsite Agencies and Plant On-Call Emergency Personnel | No.: 10-S-01-6 | Revision: 37 | Page: 1 |
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1.0 PURPOSE AND DISCUSSION

1.1 Purpose

1.1.1 This procedure:

- a. Describes emergency notification responsibilities and sequences.
- b. Provides instructions for Operational Hot Line usage.
- c. Provides instructions for emergency notification to Nuclear Regulatory Commission, Offsite Agencies and Plant personnel.
- d. Provides instructions for augmenting personnel as necessary.

2.0 RESPONSIBILITIES

2.1 Communicators - Are responsible for:

- 2.1.1 Completing all required communications in accordance with this procedure.

2.2 Emergency Response Organization Personnel - Are responsible for:

- 2.2.1 Wearing personal PAGER during their on-call week and responding appropriately to pages received.

NOTE

Emergency Response Organization personnel are requested to wear their pagers at all times.

- 2.2.2 Conducting a pager test weekly when on-call.

- 2.2.3 Notifying Emergency Preparedness when a personal pager is inoperable or lost.

2.3 On-Call Manager - May report to the plant to assume the position of Emergency Director, upon notification of an Unusual Event, if he deems it necessary. Upon notification of an Alert or higher emergency classification, the On-Call Manager reports to the plant to assume the position of Emergency Director.

He then activates the appropriate portion of the Emergency Organizations if that has not already been done by the Shift Manager. In any case, the Offsite Emergency Coordinator is notified.

2.4 Radiation Protection Manager/Radiation Emergency Manager - Is responsible for:

- 2.4.1 Verbal notification to state Radiological Assessment officer (SRAO), when trigger points are reached. (Refer to 10-S-01-12.)

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2.5 Shift Manager/Emergency Director/Offsite Emergency Coordinator - Is responsible for:

2.5.1 Implementing this procedure.

2.5.2 Notification of Offsite Agencies, NRC, Plant personnel, and Plant On-Call personnel in accordance with this procedure.

3.0 REFERENCES

3.1 Emergency Plan Procedure 10-S-01-11, Evacuation of Onsite Personnel

3.2 Emergency Plan Procedure 10-S-01-12, Radiological Assessment and Protective Action Recommendations

3.3 Company Procedure OM-105, Fitness for Duty

4.0 ATTACHMENTS

4.1 Attachment I - Paging Instructions

5.0 DEFINITIONS

5.1 BEOF - Backup EOF

5.2 ENS - Emergency Notification System

5.3 EOC - Emergency Operations Center

5.4 EOF - Emergency Operations Facility

5.5 EPP - Emergency Plan Procedure

5.6 ERDS - Emergency Response Data System

5.7 HPN - Health Physics Network

5.8 Initiate- For sites with multiple agencies to notify, the notification is considered to be initiated when verbal contact is made with the first agency.

5.9 NRC - Nuclear Regulatory Commission

5.10 OEC - Offsite Emergency Coordinator

5.11 OHL - Operational Hot Line

5.12 On-Call Manager - GGNS Manager or designated alternate

5.13 On-Call Personnel - Personnel meeting current training requirements and assigned to emergency organization positions

5.14 PDS - Plant Display System Computer Terminal

5.15 QA - Quality Assurance

5.16 REM - Radiation Emergency Manager

5.17 RPM - Radiation Protection Manager

| | | | |
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5.18 SRAO - State Radiological Assessment Officer

5.19 TSC - Technical Support Center

5.20 VIP 2000 - A computer emergency notification system used to contact on-call personnel in an emergency

6.0 DETAILS

6.1 Notification of Offsite Agencies

6.1.1 Shift Manager/Emergency Director/Offsite Emergency Coordinator takes action to:

- a. Complete a Notification Form. The Emergency Notification Form is included as part of the EP Forms Control Process (EPP 06-01) and copies of this notification form are available in the Control Room, TSC, EOF, and BEOF.
- (1) Messages to State and Local authorities shall include information concerning Recommended Protective Actions.

NOTE

The Emergency Director/OEC must approve all Notification forms before transmittal to Offsite Agencies.

- b. Assign communicators to notify the:
- (1) State and local agencies using the OHL.
- (2) NRC Operations Center using ENS.

NOTE

NRC headquarters may require continuous Communications be maintained on the ENS.

It is extremely important to provide PROMPT NOTIFICATION to the Offsite Agencies to protect the Public.

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6.1.1 (Cont.)

- c. Notify State and Local Agencies. Shift Manager/ Emergency Director/Offsite Emergency Coordinator shall ensure that notification is initiated to state and local agencies within 15 minutes of an emergency declaration or PAR development. Upon completion of the notification ensure at least one of the agencies in each of the following rows listed below received the message.

| | Primary | Secondary |
|-------|--|---|
| Row 1 | Mississippi Emergency Management Agency | Mississippi Highway Patrol |
| Row 2 | Louisiana Office of Emergency Preparedness | Louisiana Department of Environmental Quality |
| Row 3 | Claiborne County Sheriff's Department | Claiborne County Civil Defense |
| Row 4 | Tensas Parish Sheriff's Department | None |
| Row 5 | Port Gibson Police Department | None |

NOTE

The NRC shall be notified of the declaration of the Emergency IMMEDIATELY AFTER THE NOTIFICATION OF STATE AND LOCAL AGENCIES and not later than one hour after the Emergency declaration. An open channel shall be maintained until terminated by the NRC.

- d. If an ALERT or higher classification has been declared, activate ERDS, in accordance with 6.4.2.
- e. For Unusual Events, Offsite Agencies need only be advised initially, a followup Notification is performed one hour later, with a final Notification upon termination of the event unless significant changes occur which may lead to escalation.

6.2 Operational Hotline Activation

6.2.1 Communicator must:

- a. Locate OHL phone and lift receiver. When the receiver is lifted, the phone automatically rings at all the agencies.
- b. Wait 30 seconds for agencies to come on line. (An occasional "Grand Gulf Standby" may be used during this period to let them know that the hotline is in operation).

NOTE

Record the time when contact is made with the first agency on the Emergency Notification Form, Section 2.A.

| | | | |
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6.2.1 (Cont.)

- c. Depress the pushbutton on receiver to talk, release button to listen.
- d. Announce "THIS IS GRAND GULF NUCLEAR STATION. THIS IS AN EMERGENCY NOTIFICATION. STANDBY FOR AN INITIAL ROLL-CALL."
- e. Perform initial roll call as follows:
 - (1) Read all agency names.
 - (2) Check off the responding agencies.
- f. Read Notification Form Items 1 through 13. Read slowly and deliberately because the agencies must copy the message word for word.

NOTE

Occasionally, an agency may interrupt your message with a question or a request to repeat information. Inform the agency to stand by until you have completed the Message.

- g. Address agency questions as follows:
 - (1) Announce, "THIS IS GRAND GULF NUCLEAR STATION, ARE THERE ANY QUESTIONS?"
 - (2) Re-read requested information from notification form.
 - (3) If requested information is not on the notification form, record the request and inform the Emergency Director/Offsite Emergency Coordinator.
- h. Perform final roll call as follows:
 - (1) Read all agency names.
 - (2) Check off the responding agencies.

NOTE

- If neither primary nor secondary agencies answer the FINAL ROLL CALL, notify at least one of the agencies by commercial telephone. (Phone numbers are on form.)

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6.2.2 Verification telephone calls may be received from:

- a. Mississippi Emergency Management Agency
- b. Mississippi State Board of Health, Division of Radiological Health
- c. Louisiana Department of Environmental Quality

NOTE

Ensure all completed Emergency Notification forms are transferred to TSC, if activated.

6.3 Backup Communications

6.3.1 If Operational Hot Line (primary means of notifying Offsite Agencies) is inoperative, use a commercial telephone (9 + number), satellite telephone or Entergy Fiber Optic lines (74 + 9 + number for local calls, 9 + 1 + number for long distance calls) to contact each agency.

- a. Perform Step 6.2.1f.

6.3.2 IF ALL TELEPHONE SYSTEMS DO NOT WORK, provide notification by UHF radio located in the TSC, EOF, SAS, or CAS, to the Claiborne County Sheriff's Office, Tensas Parish Sheriff's Office, and Claiborne County Civil Defense (if available).

- a. Activate tone receiver to local agencies using the instructions posted near the radio.
- b. Establish communications using radio Channel 8.
REQUEST THE TWO LOCAL AGENCIES TO NOTIFY THE STATE AGENCIES OF THE EMERGENCY SITUATION AND TO PROVIDE THEM WITH ALL OF THE EMERGENCY INFORMATION.
- c. Perform Step 6.2.1f.

6.4 NRC Emergency Telecommunications System (ETS)

6.4.1 Activation of ENS

- a. Lift the receiver on the phone marked "ENS" and listen for a dial tone.
- b. Dial the number listed below

Main: 1 (301) 816-5100

Back-up: 1 (301) 951-0550
1 (301) 415-0550

FAX: 1 (301) 816-5151
- c. The above numbers may also be called from any commercial telephone.

| | | | |
|---|----------------|--------------|---------|
| Title: Notification of Offsite Agencies and Plant On-Call Emergency Personnel | No.: 10-S-01-6 | Revision: 37 | Page: 7 |
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6.4.2 Activation of ERDS

- a. ERDS shall be activated as soon as possible but not later than one hour after declaring an emergency class of Alert, Site Area Emergency, or General Emergency.
- b. Locate PDS terminal in Control Room, normally at the Shift Manager's desk. Monitor is normally on at all times.
- c. Ensure that mouse arrow is on the background of the screen and press the left mouse button to make the ROOT MENU appear.
- d. Hold down the mouse button and move the mouse arrow to the ERDS indicator and release the mouse button. The ERDS menu appears on the screen.
- e. Initiate the data transfer by selecting the START TRANSFER indicator on the menu with the mouse arrow. Press and release the left mouse button.
- f. The rest of the ERDS initiation process is automatic. If ERDS fails to connect with the NRC Operations Center, it automatically retries until a connection is made.
- g. If the ERDS connection fails or data transfer fails for any reason, a failure message appears on the ERDS menu. Repeat step D to attempt to connect ERDS to the NRC and notify the Nuclear Computer Information System Group. The NRC should be advised of the ERDS failure as soon as possible.

NOTE

DO NOT terminate the ERDS data transfer until requested to do so by the NRC.

- h. To terminate the data transfer, put the mouse pointer arrow on the word TERMINATE TRANSFER on the ERDS menu and press and release the left mouse button. The connection automatically terminates.
- i. The CLOSE SESSION indicator is used to exit ERDS.

6.4.3 Problems with ENS

- a. Any problems with the ENS must be reported to the NRC. If unable to contact the NRC on the ENS, report problems via commercial telephone. The commercial NRC phone number is 1 (301) 951-0550.
- b. A Helpdesk case should also be initiated for any problems with the ENS.

6.4.4 Attempt to notify the NRC Resident Inspector by telephone for all emergencies. Work and home phone numbers are listed on the Emergency Notification Form.

| | | | |
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6.4.5 The following additional NRC communication links are available in the TSC and EOF:

- a. Health Physics Network (HPN) - Permits licensee personnel to transmit health physics and environmental information to the NRC Operations Center. NRC headquarters may require continuous communication be maintained on the HPN.
- b. Reactor Safety Counterpart Link (RSCL)
- c. Protective Measures Counterpart Link (PMCL)
- d. Management Counterpart Link (MCL)

Any of these communication links may be established by lifting the receiver on the appropriately marked phones and dialing:

- 1 (301) 816-5100
- 1 (301) 951-0550

NOTE

Each phone can be identified by a label located on the front of the phone.

6.5 Notification of Plant Personnel (CONTROL ROOM ACTIONS)

- 6.5.1 Plant personnel are notified via PA System concerning the nature and location of event.
- 6.5.2 Plant personnel are advised via PA System of emergency actions to be taken concerning event.
- 6.5.3 If plant conditions require evacuation of plant personnel, notifications/announcements are made in accordance with 10-S-01-11, Evacuation of Onsite Personnel.

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.

- 6.5.4 After TSC is operable, PA announcements are made by TSC Communicator.

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|---|----------------|--------------|---------|
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6.6 Additional Notification of Offsite Agencies

- 6.6.1 After TSC/EOF activation, hard copies of previous Notification Forms are transmitted to designated Offsite Agencies via the facsimile when time allows.
- 6.6.2 Within 30 minutes of issuing a Protective Action Recommendation (PAR), the Emergency Director/Offsite Emergency Coordinator, or designee, contacts the Mississippi and Louisiana State Emergency Operations Directors to ascertain the status of the recommended PAR.
- 6.6.3 Frequent Update
- a. The Emergency Director/Offsite Emergency Coordinator shall ensure that frequent updates are provided to Offsite Agencies as new operational and radiological information becomes available via the Notification Form.
- (1) With the exception of an Unusual Event, (see Step 6.1.1e) the Notification Forms must be filled out and transmitted approximately every 60 minutes, or sooner if information becomes available. The 60 minutes starts when the communicator initiates the notification. Notification Forms should be numbered consecutively to prevent transmittal sequence errors.
- 6.6.4 RPM/REM verbally contacts SRAO at least hourly or sooner if plant or radiological conditions change significantly.
- a. Within 60 minutes of exceeding a SRAO trigger point, the SRAO should be contacted by telephone. If the SRAO trigger point results in a PAR, an Emergency Notification Form must be completed in accordance with Section 6.1.

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6.7 Notification of Plant On-Call Personnel

NOTE

In the event of Security emergencies, each Security related incident should be evaluated. Only those support groups and facilities which are needed should be activated, regardless of the emergency or the emergency classification, so as to minimize the risk to personnel. Utilization of the ERO call tree rather than VIP 2000 may be required to inform responders of emergency situation and prevent manning of unneeded facilities.

6.7.1 Activation of VIP 2000:

NOTE

Password and activation instructions are maintained in an envelope labeled "VIP 2000 Activation Instructions", in the On-Call Notification Book in the Control Room and Technical Manager's Logbook in the TSC.

- a. Activate VIP 2000 by calling 9-437-8155.
- b. Enter VIP 2000 password while the following message is being spoken.
- c. The VIP 2000 says; "Hello, this is the Grand Gulf Nuclear Station's Emergency Notification System."
 - (1) If the VIP 2000 says; "There is no activity at this time" and hangs up, you did not enter the password soon enough.
 - (2) Return to Step 6.7.1a and try again.
- d. VIP 2000 says; "Enter the scenario number you want to work with." Enter the correct scenario from the list below:

| EMERGENCY CLASSIFICATION | SCENARIO(S) TO BE ACTIVATED |
|--------------------------|-----------------------------|
| Unusual Event | 01 |
| Alert | 02 |
| Site Area Emergency | 03 |
| General Emergency | 04 |
| TSC & OSC Activation | 07 |
| EOF Activation | 08 |

| | | | |
|---|----------------|--------------|----------|
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6.7.1 (Cont.)

- e. VIP 2000 says; "That scenario is completed/suspended/idle. Do you want to queue it? Please press 9 for Yes, 6 for No."
- (1) Press 9 to queue scenario.
- f. VIP 2000 says; "Enter scenario status, press 1 for emergency, 2 for test, and 3 for drill."
- (1) Press 1 for emergency, 2 for test, or 3 for drill.
- g. VIP 2000 says; "You have requested to start scenario _____ as an emergency/drill/test. Are you sure this is what you want to do? Please press 9 for Yes, 6 for No."
- (1) If correct, press 9; VIP 2000 says; "Your request has been honored. Thank you. Goodbye."
- (2) If incorrect, press 6; VIP 2000 says; "Thank you. Goodbye." Return to Step 6.7.1.a

NOTE

Additional notifications with the VIP 2000 are Required if event is upgraded from an Unusual Event Classification. No additional notification via VIP 2000 is required if the event is upgraded from an Alert or Site Area Emergency.

- h. If additional notifications are required, repeat Steps 6.7.1a through 6.7.1g.

6.7.2 VIP 2000 Operation Verification Method

NOTE

There are three different methods to verify that the VIP 2000 is operating. Only one method is required to be used to verify operation. The method used is determined by the individual.

- a. Proper operation of the VIP 2000 can be verified by one of the following methods:
- (1) Method I:
- (a) Approximately four to five minutes after activation, the VIP 2000 transmits a *Scenario Execution Log* report to the Control Room and TSC facsimile. The report should indicate the date and time the requested scenario went active. The report may also indicate the mode (Emergency, Drill or Test) the VIP 2000 is operating.

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|---|----------------|--------------|----------|
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6.7.2 (Cont.)

- (b) If the report does not indicate that the requested scenario is active, the VIP 2000 is not operating properly. Go to Step 6.7.3.
- (c) If the report indicated the VIP 2000 is operating in the wrong mode, call the VIP 2000 9-437-8155.
 - 1) Enter the VIP 2000 password while the Hello message is being spoken.
 - 2) If the VIP 2000 says, *Please enter your ID code.* *You failed to enter the password in time.*..Hang up and try again.
 - 3) When the VIP 2000 says, *Enter the scenario number you want to work with.* Enter the scenario number that was queued in the wrong mode.
 - 4) The VIP 2000 says, *That scenario is active.* Press 1 to complete, 2 to suspend or 3 to exit.
 - a) Press 1 to complete.
 - 5) When the VIP 2000 says, *You have requested to complete scenario _____, are you sure this is what you want to do. Press 9 for yes and 6 for no.*
 - a) Press 9 for yes.
 - 6) VIP 2000 says *that scenario has been completed. Thank you. Good-bye.*
 - 7) Call the VIP 2000 and activate the scenario in the proper mode in accordance with 6.7.1.

(2) Method II:

- (a) Approximately eight minutes after activation, the VIP 2000 transmits an *Execution Roster - Qualified Members Only* report to the TSC facsimile. The report should show that positions are being filled and who is filling those positions.
- (b) If the report does not show the positions are being filled, the VIP 2000 is not operating properly. Go to Step 6.7.3.

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6.7.2 (Cont.)

(3) Method III:

- (a) Wait approximately five minutes after activation. Call VIP 2000 at 9-437-8155, and respond to the VIP 2000 in accordance with Step 6.7.5 using "123456789" as your ID code.
- (b) If the VIP 2000 does not tell you that you are filling your position as Shift Superintendent, the VIP 2000 is not operating properly. Go to Step 6.7.3.

6.7.3 Back-up Notification Method (Group Page)

- a. If the VIP 2000 operation cannot be verified, initiate the two group pages as follows:

NOTE

Initiate both group pages to notify the entire ERO. Instructions and passwords are maintained in an envelope Labeled "VIP 2000 ACTIVATION INSTRUCTIONS", in the On-Call Notification Book in the Control Room and Technical Manager's logbook in the TSC.

- (1) Call the Group Page Number 9-930-8075. Enter password when requested.
- (2) The recording says; "This is a display beeper, please enter your phone number at the sound of the tone."
- (3) At the tone, enter the appropriate code to activate personnel response:
 - 88*01** Emergency - Unusual Event
 - 88*02** Emergency - Alert
 - 88*03** Emergency - Site Area Emergency
 - 88*04** Emergency - General Emergency

 - 77*01** Drill - Unusual Event
 - 77*02** Drill - Alert
 - 77*03** Drill - Site Area Emergency
 - 77*04** Drill - General Emergency
- (4) After entering code, hang up.
- (5) Call the Group Page number 9-930-8074. Enter the password when requested.
- (6) Repeat step 2, 3, and 4.
- (7) The paging system initiates a page to all emergency response organization pagers.

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6.7.4 Other Personnel Notification Method

- a. If the VIP 2000 is inoperative and group paging is unavailable, notification is made by phone or pager to those persons listed on the Emergency Response Organization Call Tree located in the On-Call Notification Book or Emergency Telephone Book.
- b. Additional Emergency Response personnel should be called as soon as possible to fill additional positions. Names and telephone numbers of persons in the ERO are in Section B of the Emergency Telephone Book.

6.7.5 Responding to VIP 2000 Phone Call

NOTE

If you are notified by or call into the VIP 2000, you should respond to the questions asked by the VIP 2000. It needs to know if and when you can report to your Emergency Response Facility to assume your emergency position.

- a. When you answer the phone, the VIP 2000 says; "Hello, this is Grand Gulf Nuclear Station's Emergency Notification System. Please enter your ID code." Enter your social security number.

NOTE

If the VIP 2000 says, "You have entered an Invalid ID Code, and hangs up, call the VIP 2000 back at 437-8155 and try again.

- b. VIP 2000 says; "This is an emergency/a drill/only a test".

NOTE

If your position has been filled, VIP 2000 says; "Your Position has been filled," and hangs up.

- c. If an EMERGENCY has been declared, or a DRILL is being conducted, VIP 2000 says; "An Unusual Event/Alert/Site Area Emergency/General Emergency has been declared at Grand Gulf," and ask you the following questions:

(1) "Are you fit for duty? Press 9 for Yes, 6 for No."

- (a) If you are fit for duty in accordance with Entergy Procedure OM-105, press 9 for Yes.

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6.7.5 (Cont.)

- (b) If you are not fit for duty in accordance with the above procedure, press 6 for No.

NOTE

If you enter 6 in response to the above question, VIP 2000 says; "Thank you, goodbye," and hang up.

- (2) "Enter your estimated time of arrival in four-digit military time."
- (a) Enter estimated time of arrival. Examples: 4 a.m. would be entered as 0400 and 4 p.m. would be entered as 1600.
- (3) VIP 2000 says; "Report to your emergency response facility. You are filling your Emergency Response position as (name of your position), thank you, goodbye," and hang up.
- d. If a TEST is being conducted, the VIP 2000 asks the following questions:
- (1) "If this were an actual emergency, could you respond? Press 9 for Yes, 6 for No."
- (a) If you would be able to respond, press 9.
- (b) If you would not be able to respond, press 6.
- (2) "If this were an actual emergency and you were responding, estimate your time of arrival and enter it in four-digit military time."
- (a) Enter your estimated arrival time. Examples: 4 a.m. would be entered as 0400, 4 p.m. would be entered as 1600.
- (3) VIP 2000 says; "You are filling your Emergency Response position as (name of your position), thank you, goodbye," and hang up.

6.7.6 Response to Pager

- a. When your pager beeps (or vibrates), depress the read button on the pager.
- b. Observe the telephone number or code displayed in the pager window.
- c. If the telephone number, 437-8155, is displayed, call this number as soon as possible and provide the requested information. (This is the telephone number for the VIP 2000.)

| | | | |
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6.7.6 (Cont.)

d. If one of the following codes is displayed, respond as indicated in the table below:

| CODE | MEANING | RESPONSE |
|-------|---------------------------------|---|
| 88-01 | Emergency - Unusual Event | Await further notification. |
| 88-02 | Emergency - Alert | All personnel report to your emergency response facility. |
| 88-03 | Emergency - Site Area Emergency | All personnel report to your emergency response facility. |
| 88-04 | Emergency - General Emergency | All personnel report to your emergency response facility. |
| 77-01 | Drill - Unusual Event | Await further notification. |
| 77-02 | Drill - Alert | All personnel report to your emergency response facility. |
| 77-03 | Drill - Site Area Emergency | All personnel report to your emergency response facility. |
| 77-04 | Drill - General Emergency | All personnel report to your emergency response facility. |
| 66-06 | Test - All Clear | This is a test. No response required. |

6.8 Records and Information

6.8.1 Forms and paperwork generated by this procedure during EMERGENCIES are retained for information, event reconstruction and submitted to the Manager, Emergency Preparedness to be filed as a Quality Assurance record.

| | |
|--------------|--------------|
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| Attachment I | Page 1 of 1 |

PAGING INSTRUCTIONS

INDIVIDUAL PAGE

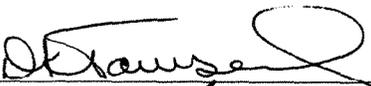
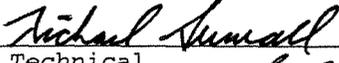
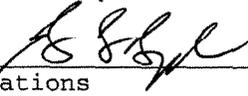
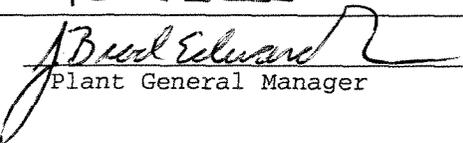
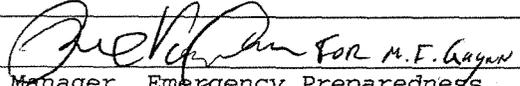
- A. On a touch tone phone, dial the number of the desired pager.
- B. The recording says, "Please enter the phone number you wished displayed".
 - (1) Immediately following the tone, dial the number you want displayed on the pager.
- C. The recording says, "Thank you for calling" and you hear a busy signal.
- D. Hang up telephone receiver.
- E. When pager responds (beeps or vibrates), verify the number you entered is displayed in the pager window.

PLANT OPERATIONS MANUAL

Volume 10
Section 01

10-S-01-11
Revision: 17
Date: 03/05/03

EMERGENCY PLAN PROCEDURE
EVACUATION OF ONSITE PERSONNEL
SAFETY RELATED

Prepared: 
Reviewed: 
Technical
Concurred: 
Manager, Operations
OSRC: 
Approved:  Plant General Manager
 Manager, Emergency Preparedness

List of Effective Pages:

Pages 1-11

Attachments I, II

List of TCNs Incorporated:

| <u>Revision</u> | <u>TCN</u> |
|-----------------|------------|
| 1 | None |
| 2 | None |
| 3 | None |
| 4 | None |
| 5 | None |
| 6 | None |
| 7 | None |
| 8 | None |
| 9 | None |
| 10 | None |
| 11 | None |
| 12 | None |
| 13 | None |
| 14 | None |
| 15 | None |
| 16 | None |
| 17 | None |

| | | | | | | |
|---|---|---|---------------|-------------------|-----------|----------|
|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | Revision 2 | | |
| | | INFORMATION USE | | | | |
| ATTACHMENT 9.1 | | 50.59 REVIEW FORM | Page | 1 | of | 7 |

I. OVERVIEW / SIGNATURES

Facility: GGNS

Document Reviewed: 10-S-01-11 Evacuation of Onsite Personnel Change/Rev. 17

System

Designator(s)/Description: N/A

Description of Proposed Change. Adds the definition of Company Owned Property and Emergency Preparedness Owner Controlled Area. Adds time requirement to complete site evacuation notification. Adds PA system to equipment security used for notifying personnel of a site evacuation. Removes "Based on availability of security personnel". Security dedicates a security officer to perform notification at the beginning of a site evacuation. Adds information to the limited evacuation about notifying security first unless personnel safety is an issue. Adds diagram of the Emergency Preparedness Owner Controlled Area in Attachment II. Other administrative changes.

If the proposed activity, in its entirety, involves any one of the criteria below, check the appropriate box, provide a justification/basis in the Description above, and forward to a Reviewer. No further 50.59 Review is required. If none of the criteria is applicable, continue with the 50.59 Review.

- The proposed activity is editorial/typographical as defined in Section 5.2.2.1.
- The proposed activity represents an "FSAR-only" change as allowed in Section 5.2.2.2_____. (Insert item # from Section 5.2.2.2).
- The proposed activity is controlled by another regulation per Section 5.2.2.3.

If further 50.59 Review is required, check the applicable review(s): (Only the sections indicated must be included in the Review.)

| | | |
|-------------------------------------|------------------------------------|---|
| <input checked="" type="checkbox"/> | SCREENING | Sections I, II, and III required |
| <input type="checkbox"/> | 50.59 EVALUATION EXEMPTION | Sections I, II, III, and IV required |
| <input type="checkbox"/> | 50.59 EVALUATION (#: _____) | Sections I, II, III, and V required |

Preparer: Richard Sumrall / *Richard Sumrall* / EOI-S / EP / 01/31/2003
 Name (print) / Signature / Company / Department / Date

Reviewer: Richard VanDenAkker / *[Signature]* / EOI-S / EP / 01/31/2003
 Name (print) / Signature / Company / Department / Date

OSRC: N/A
 Chairman's Name (print) / Signature / Date
 [Required only for Programmatic Exclusion Screenings (see Section 5.8) and 50.59 Evaluations.]

List of Assisting/Contributing Personnel:

Name: Larry Durden and Billy Middleton Scope of Assistance: Review of Security Plan for impact

| | | | | | | |
|---|---|---|---------------|----------|-------------------|----------|
|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | | Revision 2 | |
| | | INFORMATION USE | | | | |
| ATTACHMENT 9.1 | | 50.59 REVIEW FORM | Page | 2 | of | 7 |

II. SCREENING

A. Licensing Basis Document Review

1. Does the proposed activity impact the facility or a procedure as described in any of the following Licensing Basis Documents? (Check "N/A" for those documents that are not applicable to the facility.)

| Operating License | YES | NO | N/A | CHANGE # and/or SECTIONS IMPACTED |
|-------------------|--------------------------|-------------------------------------|--------------------------|-----------------------------------|
| Operating License | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Orders | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

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 # (if applicable) and/or SECTIONS IMPACTED |
|--|--------------------------|-------------------------------------|-----|---|
| FSAR | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS Bases | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Technical Requirements Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Core Operating Limits Report | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Offsite Dose Calculations Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Safety Evaluation Reports ¹ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |

If "YES", perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.

| LBDs controlled under other regulations | YES | NO | N/A | CHANGE # (if applicable) and/or SECTIONS IMPACTED |
|--|--------------------------|-------------------------------------|--------------------------|---|
| Quality Assurance Program Manual ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Emergency Plan ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Security Plan ^{2,3} | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Fire Protection Program ⁴ (includes the Fire Hazards Analysis) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

If "YES", evaluate/process any changes in accordance with the appropriate regulation.

2. Does the proposed activity involve a test or experiment not described in the FSAR? Yes
 No
 If "yes," perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.
3. Does the proposed activity potentially impact equipment, procedures, or facilities utilized for storing spent fuel at an Independent Spent Fuel Storage Installation? Yes
 No
 N/A
 (Check "N/A" if dry fuel storage is not applicable to the facility.)
 If "yes," perform a 72.48 Review in accordance with NMM Procedure LI-112.
 (See Sections 1.5 and 5.3.1.5 of the EOI 10CFR50.59 Review Program Guidelines.)

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," evaluate the change in accordance with the requirements of the facility's Operating License Condition.

| | | | | | | |
|---|---|---|---------------|-------------------|-----------|----------|
|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | Revision 2 | | |
| | | INFORMATION USE | | | | |
| ATTACHMENT 9.1 | | 50.59 REVIEW FORM | Page | 3 | of | 7 |

B. Basis

(Provide a clear, concise basis for the answers given in the applicable sections 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.)

Performed keyword searches of the on-line COLR, Fire Protection Program, UFSAR, TECHSPECS, ODCM, QAPM, SERs, and Emergency Plan for the keywords: owner, owner controlled area, property, site boundary, company owned, protected area, evacuation, and security.

Reviewed all hits associated with the keywords. Performed manual reviews of ODCM Sections 1.0, UFSAR Section 2.1, UFSAR Table 2.3-188, UFSAR Table 15.6-2, 10CFR20.1003, 10CFR100.3, 10CFR100.11, 10CFR50.67, 10CFR50 App. I, and procedure 10-S-01-12.

Reviews note that Site Boundary definitions vary between references, based on usage (UFSAR Chapter 15 Design Bases calculations, ODCM, Plume Tracking, etc). However, the definitions of Site Boundary, Protected Area, and Owner Controlled Area as defined in this change are consistent with other Licensing Bases documents and Regulations concerning protection of the public from radiation and Security purposes.

Security Plan impact has been reviewed by Security (Larry Durden and Billy Middleton) and indicates that this change will not impact the Security Plan.

C. References

[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 5.3.6.4 of LI-101.]

LBDs/Documents Reviewed:

Keywords:

UFSAR, TECHSPECS, QAPM, ODCM, EMERGENCY PLAN, SERs

owner, owner controlled area, property, site boundary, company owned, protected area, evacuation, and security

- D. Is the validity of this Review dependent on any other change?** (See Section 5.3.4 of the EOI 10CFR50.59 Program Review Guidelines.) **Yes**
 No

If "Yes," list the required changes.

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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," and attached to this 50.59 Review.

Will the proposed Change being evaluated:

Yes No

- 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)?
- Involve a land disturbance of undisturbed land areas (i.e., grading activities, construction, excavations, reforestation, creating, or removing ponds)?
- Involve dredging activities in a lake, river, pond, or stream?
- Increase the amount of thermal heat being discharged to the river or lake?
- Increase the concentration or quantity of chemicals being discharged to the river, lake, or air?
- Discharge any chemicals new or different from that previously discharged?
- Change the design or operation of the intake or discharge structures?
- Modify the design or operation of the cooling tower that will change water or air flow characteristics?
- Modify the design or operation of the plant that will change the path of an existing water discharge or that will result in a new water discharge?
- Modify existing stationary fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)?¹
- 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)?¹
- Involve the installation or use of equipment that will result in an air emission discharge?
- Involve the installation or modification of a stationary or mobile tank?
- Involve the use or storage of oils or chemicals?
- Involve burial or placement of any solid wastes in the site area that may effect runoff, surface water, or groundwater?

¹ See NMM Procedure EV-117, "Air Emissions Management Program," for guidance in answering this question.

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RPTS FORM

| | | |
|------------------------------------|---|----------------------------------|
| 10CFR50.59 Review Required? | <input checked="" type="checkbox"/> Yes | If Yes, attach 50.59 Review Form |
| | <input type="checkbox"/> No | Not required per LI-101 |

| | | |
|--|---|-----------------------------------|
| Cross-Discipline review required? | <input checked="" type="checkbox"/> Yes | (Note affected Departments Below) |
| | <input type="checkbox"/> No | |
| Preparer Initials>>> | OK | |

| Department Cross-Discipline Reviews Needed | Signoff (signed, electronic, telcon) |
|--|---|
| Operations | <i>[Signature]</i> 1/22/03 |
| Emergency Director Position Lead | <i>[Signature]</i> 2/11/03 |
| TSC Coordinator Position Lead | <i>[Signature]</i> 2/4/03 |
| OEC Position Lead | <i>[Signature]</i> 1/31/03 |

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

REQUIREMENTS CROSS-REFERENCE LIST

| Requirement Implemented Name | by Directive Paragraph Number | Directive 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, 6.3.1 |
| GGNS Emer Plan | 6.5.1.a.5.S1 | 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 |
| GGNS Emer Plan | 6.5.1.a.5.S2 | 6.1.2.b.3(a) |

* 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 # _____

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Current Revision Statement

Revision 17:

- Adds the definition of Company Owned Property and Emergency Preparedness Owner Controlled Area.
- Adds time requirement to complete site evacuation notification.
- Adds PA system to equipment security used for notifying persons of a site evacuation.
- Removes "Based on availability of security personnel". Security dedicates a security officer to perform notification at the beginning of a site evacuation.
- Adds information to the limited evacuation about notifying security first unless personnel safety is an issue. If it is, notify security as soon as possible.
- Other administrative changes.
- Adds diagram of Emergency Preparedness Owner Controlled Area in Attachment II.

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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 persons located in the Emergency Preparedness Owner Controlled Area (Attachment II) including the Protected Area.

2.1.3 Ensuring that periodic announcements are made over the Plant PA and the Site Paging System (#7929), until all evacuation actions are complete, 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 Radiation Protection personnel concerning non-emergency personnel who have evacuated to the Radiation Protection 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 in the Protected Area, personnel and traffic control once an evacuation has been initiated.

2.2.2 Performing checks of all buildings, outlying and laydown areas in the Emergency Preparedness Owner Controlled Area (Attachment II), to ensure evacuation, 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
- 4.2 Attachment II - Emergency Preparedness Owner Controlled Area

5.0 DEFINITIONS

- 5.1 CAA - Controlled Access Area
- 5.2 CAS - Central Alarm Station
- 5.3 Company Owned Property - All the land the company owns at the site.
- 5.4 EIC - Emergency Information Center
- 5.5 Emergency Preparedness Owner Controlled Area (EPOCA) - The area at the site, which is owned and controlled by the station, for which the station has the responsibility to evacuate, except for any areas covered by agreements with state or other governmental agencies.
- 5.6 Emergency Response Personnel - GGNS Entergy Operations and contractor personnel who are:
 - 5.6.1 ERO members standing call, as scheduled by Emergency Preparedness, during the emergency or occurrence **OR**
 - 5.6.2 Electrical, Instruments & Controls, Mechanical, Radiation Protection, Operations, Chemistry shift or Security personnel required to respond to an emergency.
- 5.7 ENMC - Emergency News Media Center
- 5.8 EOF - Emergency Operations Facility, located in the Energy Services Center.
- 5.9 ERO - Emergency Response Organization
- 5.10 ESC - Energy Services Center
- 5.11 Limited Evacuation - An evacuation of specific areas of the plant.
- 5.12 OSC - Operations Support Center
- 5.13 PA - Public Address
- 5.14 Protected Area - Area located within the Emergency Preparedness Owner Controlled Area and enclosed by physical barriers to which access is controlled for security purposes.
- 5.15 SAS - Secondary Alarm Station
- 5.16 Site Evacuation - An evacuation of the Emergency Preparedness Owner Controlled Area and Protected Area.
- 5.17 TSC - Technical Support 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.

Warning

Before conducting an evacuation, considerations should be made for weather conditions, traffic or radiological impediments. If the evacuation has the potential to cause more harm, inform all persons to shelter in a safe location or perform a limited evacuation.

Warning

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.

- a. As a general guideline, Site Evacuation (rather than Limited Evacuation) is to be performed when:
- (1) A Site Area Emergency is declared, or
 - (2) A General Emergency is declared, or
 - (3) Anytime hazardous conditions (radiological, environmental, chemical, fire, etc.) threaten the health or safety of personnel in a major portion of the site.
- 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) Emergency Preparedness 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:

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6.1.2 (Cont.)

- (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.

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

Bold 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 Systems 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, contract personnel and visitors located outside the protected area but within the Emergency Preparedness Owner Controlled Area are notified by public address system (phone #7929) or security personnel equipped with a portable PA system.
 - (a) The Security Coordinator dispatches an officer, in accordance with Security Post Order, to assist in making checks of the Emergency Preparedness Owner Controlled Area to ensure that personnel have been notified and are evacuating as directed. These checks will be completed as soon as possible but no later than 2 hours under most conditions.
 - (b) Security reports the results of the Emergency Preparedness Owner Controlled Area evacuation to the Emergency Director.
 - (3) Other persons outside the Emergency Preparedness Owner Controlled Area, but in public access areas near-site or passing through the Company-owned property are notified by the Alert 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 your Emergency Response Facility to support emergency response actions.
- 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.

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6.1.4 Personnel Response Outside The Protected Area

- a. Company employees, contract personnel and visitors are to leave the Emergency Preparedness Owner Controlled Area upon notification of a Site Evacuation. The normal access routes are to be used unless otherwise directed.
- b. Emergency Response Personnel report to your Emergency Response Facility.

6.1.5 Security Personnel Response

NOTE

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 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 until Security reports that the evacuation is complete.

6.2 Accountability

6.2.1 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, ENMC, and EIC) unless directed otherwise.
 - (1) Upon arrival at the maintenance shop, emergency personnel are to key card into the emergency accountability card reader and report to the OSC.

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6.2.1 (Cont.)

- (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.
- 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. Security should perform accountability for their personnel in accordance with security procedures.
 - d. 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.
 - e. 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 Site Area Emergency, General Emergency or the time it is determined that a site evacuation is required.
 - f. Search and Rescue should begin at the completion of accountability and be done in accordance with 10-S-01-18.

6.2.2 Personnel Accountability within the Protected Area without a Site Evacuation

- a. The Shift Manager/Emergency Director 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 (CAS or SAS).

- 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

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6.2.2 (Cont.)

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' elevation Control Building
Control Room Kitchen
Security Island Exit Turnstiles

- (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 hallway on the 93' elevation of the Control Building and await further instructions.
 - (8) Security should perform accountability for their personnel in accordance with security procedures.
 - (9) Personnel using the Security Island Exit turnstiles for accountability purposes should swipe their key card in the card reader and EXIT the Protection area.
- d. 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.

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6.2.2 (Cont.)

- e. The accountability process is considered complete when all personnel on the accountability printout are accounted for or identified as missing. 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 or the declaration of a Site Area Emergency or General Emergency.
- f. Search and Rescue should begin at the completion of accountability and be done in accordance with 10-S-01-18.

6.3 Limited Evacuation

6.3.1 Generally, a limited evacuation may be required if the health and safety of personnel are threatened by radiological hazards, 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) before announcing an evacuation unless immediate personnel safety is at risk. If so, notify security as soon as possible after the evacuation is announced.
 - (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) Ensure periodic announcements are made over the Plant PA concerning the evacuation as long as the condition(s) is(are) present.

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 to the Shift Manager/Emergency Director. 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 Shift Manager/Emergency Director.

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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. A monitoring and decontamination station is established at the EOF when directed by the Emergency Director. 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.
- 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.
- 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.

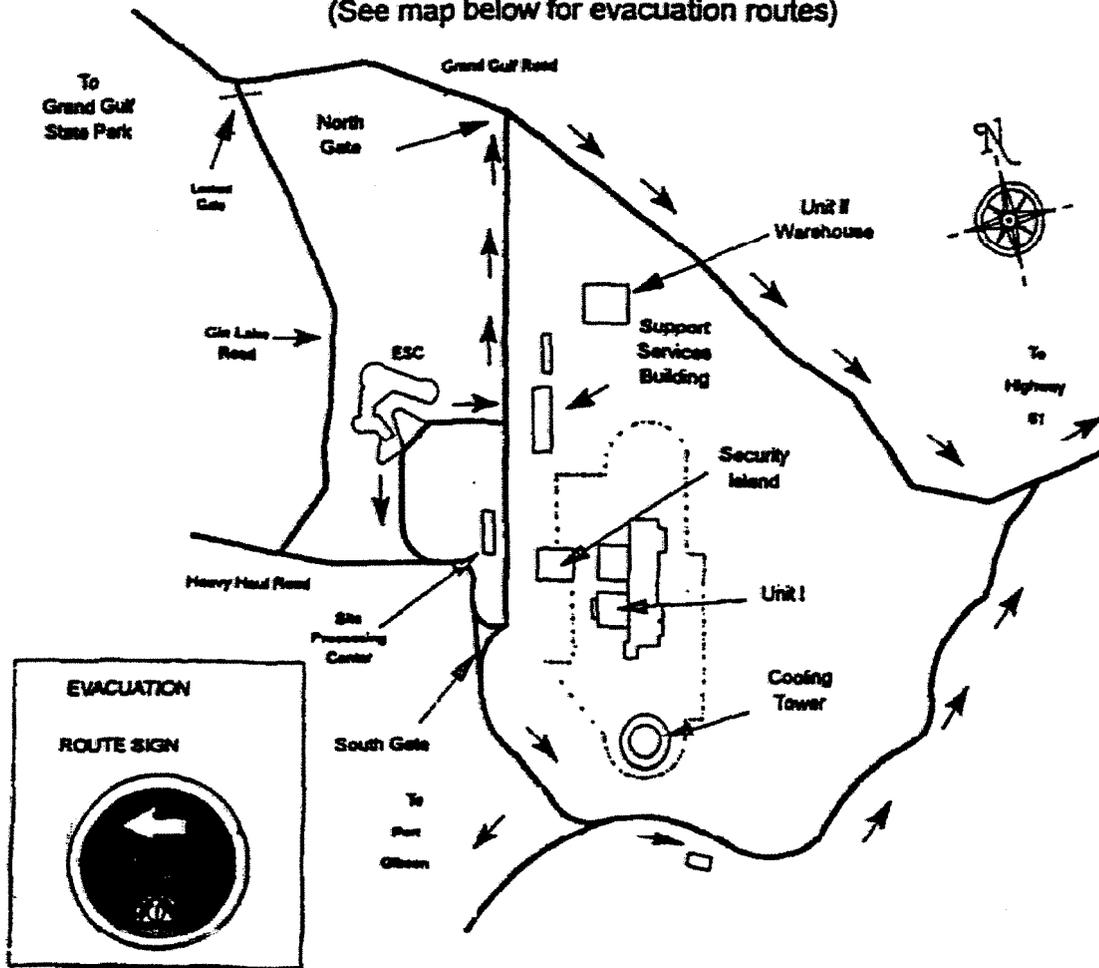
| | |
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GGNS EVACUATION MAP

ATTENTION TO VISITORS:

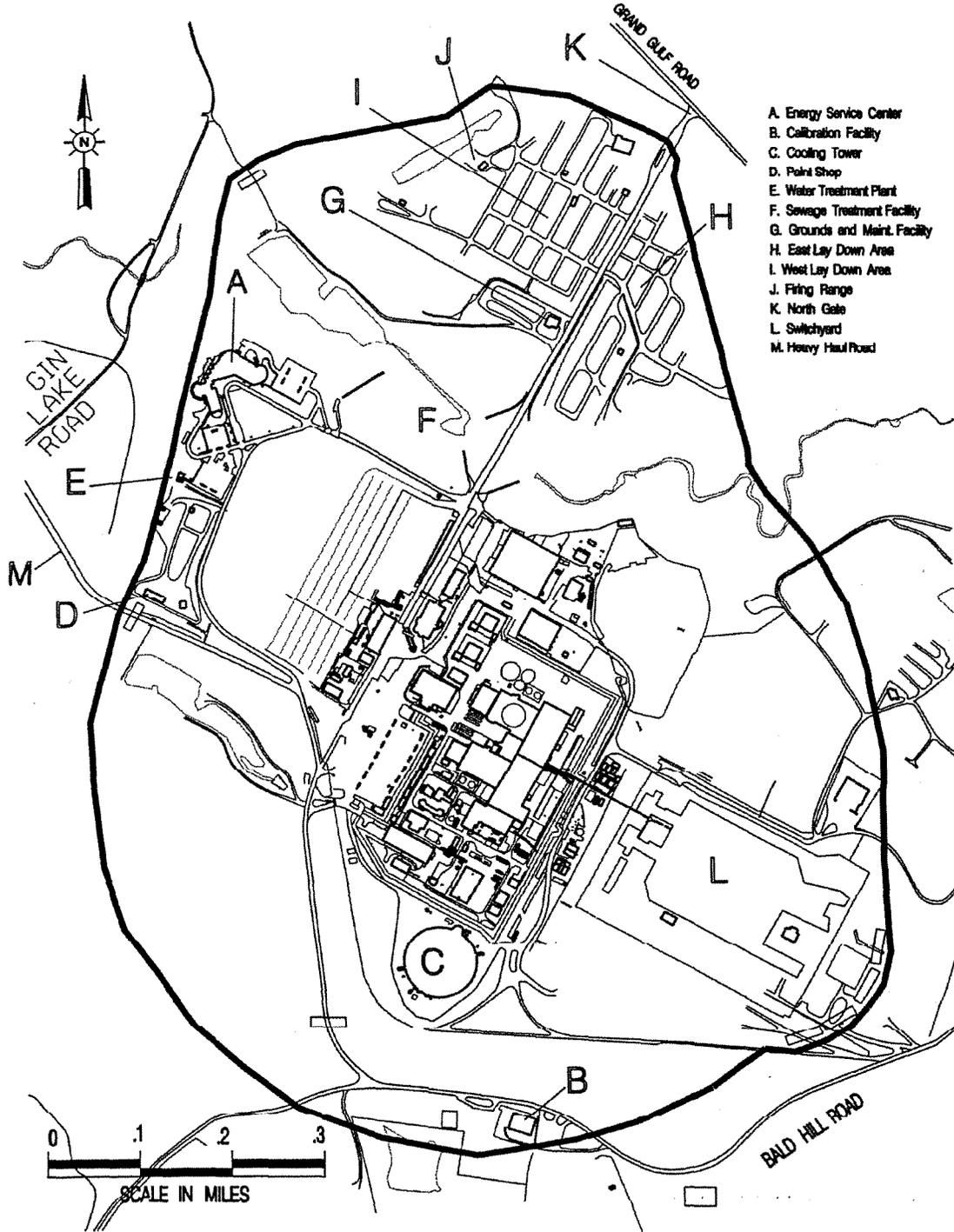
As a visitor to Grand Gulf Nuclear Station you are required to adhere to instructions announced over the P.A. System during any declared emergency. Announcement of a site evacuation will require an immediate and orderly exit from the site as directed.

(See map below for evacuation routes)



| | |
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EP OWNER CONTROLLED AREA



- A. Energy Service Center
- B. Calibration Facility
- C. Cooling Tower
- D. Paint Shop
- E. Water Treatment Plant
- F. Sewage Treatment Facility
- G. Grounds and Maint. Facility
- H. East Lay Down Area
- I. West Lay Down Area
- J. Firing Range
- K. North Gate
- L. Switchyard
- M. Heavy Haul Road

NOTE

The EP Owner Controlled Area includes Heavy Hall Road from the plant to Radial Well #1, though not shown on drawing.

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I. OVERVIEW / SIGNATURES

Facility: Grand Gulf Nuclear Station

Document Reviewed: 01-S-10-3

Change/Rev.: 10

System Designator(s)/Description: n/a

Description of Proposed Change

1. Aligns procedure with the E-Plan and 10CFR50.54(t) for time requirements for a review or audit of the EP Program.
2. Adds requirement for Quarterly ANS Trending.
3. Grammatical changes.
4. Clarifies 6.2.2 to more clearly support Emergency Plan requirements.
5. Corrects attachment names in 6.4.2.
6. Corrects references.

If the proposed activity, in its entirety, involves any one of the criteria below, check the appropriate box, provide a justification/basis in the Description above, and forward to a Reviewer. No further 50.59 Review is required. If none of the criteria is applicable, continue with the 50.59 Review.

- The proposed activity is editorial/typographical as defined in Section 5.2.2.1.
- The proposed activity represents an "FSAR-only" change as allowed in Section 5.2.2.2_____. (Insert item # from Section 5.2.2.2).
- The proposed activity is controlled by another regulation per Section 5.2.2.3.

If further 50.59 Review is required, check the applicable review(s): (Only the sections indicated must be included in the Review.)

| | | |
|-------------------------------------|------------------------------------|---|
| <input checked="" type="checkbox"/> | SCREENING | Sections I, II, and III required |
| <input type="checkbox"/> | 50.59 EVALUATION EXEMPTION | Sections I, II, III, and IV required |
| <input type="checkbox"/> | 50.59 EVALUATION (#: _____) | Sections I, II, III, and V required |

Preparer: R. Sumrall / RTO / EOI / 1/28/03
 Name (print) / Signature / Company / Department / Date

Reviewer: [Signature] / Richard VanDerAkker / EOI / 1-28-03
 Name (print) / Signature / Company / Department / Date

OSRC: N/A
 Chairman's Signature / Date (N/A for Screenings and 50.59 Evaluation Exemptions)

List of Assisting/Contributing Personnel:

| | |
|-----------------|--|
| Name: | Scope of Assistance: |
| Billy Middleton | Evaluate changes against Security Plan |

| | | | | | | |
|---|---|---|---------------|-------------------|-----------|----------|
|  | EN-S NUCLEAR MANAGEMENT MANUAL | QUALITY RELATED ADMINISTRATIVE | LI-101 | Revision 2 | | |
| | | INFORMATION USE | | | | |
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II. SCREENING

A. Licensing Basis Document Review

1. Does the proposed activity impact the facility or a procedure as described in any of the following Licensing Basis Documents? (Check "N/A" for those documents that are not applicable to the facility.)

| Operating License | YES | NO | N/A | CHANGE # and/or SECTIONS TO BE REVISED |
|-------------------|--------------------------|-------------------------------------|--------------------------|--|
| Operating License | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Orders | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

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 |
|--|--------------------------|-------------------------------------|-----|--|
| FSAR | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| TS Bases | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Technical Requirements Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Core Operating Limits Report | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Offsite Dose Calculations Manual | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| NRC Safety Evaluation Reports ¹ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |

If "YES", perform an Exemption Review per Section IV OR perform a 50.59 Evaluation per Section V.

| LBDs controlled under other regulations | YES | NO | N/A | CHANGE # and/or SECTIONS TO BE REVISED |
|--|--------------------------|-------------------------------------|--------------------------|--|
| Quality Assurance Program Manual ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Emergency Plan ² | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Security Plan ^{2, 3} | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Fire Protection Program ⁴ (includes the Fire Hazards Analysis) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

If "YES", evaluate/process any changes in accordance with the appropriate regulation.

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

3. Does the proposed activity potentially impact equipment, procedures, or facilities utilized for storing spent fuel at an Independent Spent Fuel Storage Installation? Yes
 No
 N/A
(Check "N/A" if dry fuel storage is not applicable to the facility.)
If "yes," perform a 72.48 Review in accordance with NMM Procedure LI-112.
(See Sections 1.5 and 5.3.1.5 of the EOI 10CFR50.59 Review Program Guidelines.)

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," evaluate the change in accordance with the requirements of the facility's Operating License Condition.

| | | | | | | |
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B. Basis

(Provide a clear, concise basis for the answers given in the applicable sections 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.)

Performed keyword search of the online TechSpecs, Operating License, Emergency Plan, QAPM, SERs, COLR for the key words 50.54, emergency plan, ANS, Alert Notification System, and siren. Reviewed all returned hits. Performed manual review of returned SERs and Emergency Plan sections. Review of these hits and manual reviews found no items requiring changes or modification.

C. References

[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 5.3.6.4 of LI-101.]

LBDs/Documents Reviewed:

Keywords:

FSAR Chapters 16.B.1, 7.1, 13.3, 9b, 18.2, 2.1, 13.3, 18.1, 9.5, 13.1, 9.c, 4.2, 4.3, 4.4, 5.2, 6.2,

50.54, emergency plan, ANS, Alert Notification System, siren

Operating License 7.0, 5.0

Emergency Plan 7.5.4, 6.5.1

SSER6-16, SER-13, SSER4-13, SSER4-7, SSER5-13, SER-13, SSER2-G, SSER4-13, SSER2-A, SSER1-13, SSER1-A, SSER2-13, SSER5-13, SER-A, SSER-2, SER-3, SSER5-L

QAPM

D. Is the validity of this Review dependent on any other change? (See Section 5.3.4 of the EOI 10CFR50.59 Program Review Guidelines)

Yes
 No

If "Yes," list the required changes.

Grand Gulf Nuclear Station Emergency Plan Revision No. 49

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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," and attached to this 50.59 Review.

Will the proposed Change being evaluated:

- | <u>Yes</u> | <u>No</u> | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 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)? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a land disturbance of undisturbed land areas (i.e., grading activities, construction, excavations, reforestation, creating, or removing ponds)? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve dredging activities in a lake, river, pond, or stream? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Increase the amount of thermal heat being discharged to the river or lake? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Increase the concentration or quantity of chemicals being discharged to the river, lake, or air? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Discharge any chemicals new or different from that previously discharged? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Change the design or operation of the intake or discharge structures? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify the design or operation of the cooling tower that will change water or air flow characteristics? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify the design or operation of the plant that will change the path of an existing water discharge or that will result in a new water discharge? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify existing stationary fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)? ¹ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 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)? ¹ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the installation or use of equipment that will result in an air emission discharge? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the installation or modification of a stationary or mobile tank? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the use or storage of oils or chemicals? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve burial or placement of any solid wastes in the site area that may effect runoff, surface water, or groundwater? |

¹ See NMM Procedure EV-117, "Air Emissions Management Program," for guidance in answering this question.

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RPTS FORM

| | | |
|------------------------------------|---|----------------------------------|
| 10CFR50.59 Review Required? | <input checked="" type="checkbox"/> Yes | If Yes, attach 50.59 Review Form |
| | <input type="checkbox"/> No | Not required per LI-101 |

| | | |
|--|---|-----------------------------------|
| Cross-Discipline review required? | <input checked="" type="checkbox"/> Yes | (Note affected Departments Below) |
| | <input type="checkbox"/> No | |
| Preparer Initials>>> | DK | |

| Department Cross-Discipline Reviews Needed | Signoff (signed, electronic, telcon) |
|--|---|
| Quality Assurance | <i>Chittam</i> |
| | |
| | |
| | |

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 |
| 10CFR50 | 4(b)(5) | 6.4.7.b |
| 10CFR50 | 54(t)(1)(2) | 6.2.2 |
| 10CFR50 | 54(g) | 6.4 |
| FSAR | 9B.8.5.S5 | 6.5.3 |
| FSAR | 13.3 Para 2 | 6.4.1.b |
| FSAR | 13.1.1.2.1.2.1 | 1.2.1, 2.3 |
| GGNS Emer Plan | 5.4 S5 | 2.8 |
| GGNS Emer Plan | 8.2.3.S1, 8.2.S3 | 6.5.3 |
| GGNS Emer Plan | 8.4.S1 | 2.3 |
| GGNS Emer Plan | 8.4.S1(a), (b) | 2.4.8, 2.4.9 |
| GGNS Emer Plan | 8.4.S1(c) | 2.4.6, 2.4.12 |
| GGNS Emer Plan | 8.4.S1(d) | 6.1.2, 6.1.3, 6.12 |
| GGNS Emer Plan | 8.4.S1(e) | 2.4.5, 6.1.1 |
| GGNS Emer Plan | 8.4.S1(f) | 6.8.1, 2.4.11 |
| GGNS Emer Plan | 8.4.S6 | 6.7 |
| GGNS Emer Plan | 8.4.S7 | 6.5.2 |
| GGNS Emer Plan | 8.5.S1 | 6.4.1.a |
| GGNS Emer Plan | 8.6.S4 | 6.9.2 |
| GGNS Emer Plan | 8.5 S6, S7, S8, S10 | 2.5, 6.2 |
| GGNS Emer Plan | 8.5 S9 | 2.4.1 |
| GGNS Emer Plan | 8.5 S15 | 6.1.14 |
| GGNS Emer Plan | 8.5.S12, S13 | 6.4 |
| GGNS Emer Plan | 8.5.S16 | 6.4.6.a(3)& 2.8 |
| AECM 88/0253 | II.S8, S9 | 6.3.3.c, 6.3.5.a |
| AECM-89/0061 | 89-03-02 Att, Para 111.b.2 | 6.3.6 |
| GGCR 1997-0740-00 | * | 6.1.14, 2.4.12 |

* 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 # _____

| | | | |
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Current Revision Statement

Revision 10:

- Aligns procedure with the E-Plan and 10CFR50.54(t) for time requirements for a review or audit of the EP Program
- Adds requirement for Quarterly ANS Trending
- Grammatical changes
- Clarifies 6.2.2 to more clearly support Emergency Plan requirements
- Corrects attachment names in 6.4.2
- Corrects references

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1.0 PURPOSE AND DISCUSSION

1.1 Purpose

- 1.1.1 To describe the responsibilities and organizational structure of the Emergency Preparedness (EP) staff.
- 1.1.2 To provide guidance for the overall maintenance of the Emergency Preparedness Program and ensure the program meets all established requirements and commitments.
- 1.1.3 To define the responsibilities for maintenance and control of the GGNS Emergency Plan and implementing procedures (from now on referred to as Emergency Plan or Plan).
- 1.1.4 To provide for the establishment, implementation, and documentation of a training and indoctrination program for the Emergency Preparedness (EP) staff.

1.2 Discussion

- 1.2.1 Manager, Emergency Preparedness reports to the Director, Nuclear Safety Assurance and is responsible for the Emergency Preparedness Program and associated activities.

2.0 RESPONSIBILITIES

2.1 All GGNS Superintendents and above - Are responsible for:

- 2.1.1 Ensuring compliance with commitments of the GGNS Emergency Plan that affect their area of responsibility.
- 2.1.2 Providing support to the Manager, Emergency Preparedness for the conduct of emergency preparedness exercises.

2.2 Director, Nuclear Safety Assurance is responsible for the following:

- 2.2.1 Transmitting revisions/changes to the Emergency Plan and Implementing Procedures to the NRC within 30 days of their implementation in accordance with Reference 3.1.
- 2.2.2 Ensuring that changes Emergency Plan which require prior approval are submitted to the NRC.

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2.3 Manager, Emergency Preparedness - Is responsible for:

- 2.3.1 Supervising the development, administration, management, maintenance, and exercising of the Emergency Preparedness Program to ensure compliance with applicable NRC rules, regulations and requirements.
- 2.3.2 The direction of activities in support of the Emergency Preparedness Program and for the establishment and maintenance of this procedure.
- 2.3.3 The overall direction and control of the methods for administrative and technical activities related to preparation, maintenance, and control of the Emergency Plan.
- 2.3.4 Ensuring the training of the Emergency Preparedness staff includes:
 - a. Defining minimum training requirements.
 - b. Coordinating and obtaining training resources from outside organizations, as required.
- 2.3.5 The maintenance of Dose Assessment Program and control of the dose calculation software.

2.4 Manager, Emergency Preparedness or designee - Is responsible for the following:

- 2.4.1 Providing ongoing review of the activities related to the Emergency Preparedness Program.
- 2.4.2 Coordinating local and state emergency preparedness requirements and activities with those planned by Grand Gulf Nuclear Station (GGNS).
- 2.4.3 Ensuring that emergency response facilities, including specialized equipment and reference materials, are maintained in a state of readiness and available for use.
- 2.4.4 Identifying and scheduling emergency planning activities on an annual basis.
- 2.4.5 Conducting periodic reviews of the Emergency Plan and Emergency Preparedness Administrative Procedures as required by 10CFR50, Appendix E and 10CFR50.54(t).
- 2.4.6 Coordinating with the GGNS Training Department in defining and scheduling emergency preparedness training.
- 2.4.7 Coordinating scenario preparation and conduct of the biennial exercise.
- 2.4.8 Reviewing the GGNS Emergency Plan to ensure compliance with regulatory requirements, and to ensure it is consistent with state and local plans, and the GGNS Security Plan.
- 2.4.9 Reviewing Emergency Plan procedures to ensure they are consistent with Administrative, Security, Radiation Control, and Training procedures, the Emergency Plan, and with each other.

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2.4 (Cont'd)

- 2.4.10 Distributing revisions to the Emergency Plan or EPPs to the NRC within 30 days of their implementation, as specified in 10CFR50.4(b)(5).
- 2.4.11 Establishing the schedule and conducting media training for the news media on emergency information, and the publication and distribution of the Public Information Publication.
- 2.4.12 Communicating Emergency Preparedness Program changes, deemed significant, to plant staff and the Emergency Response Organization.
- 2.4.13 Ensuring that any changes made to the Emergency Plan are evaluated under 10CFR50.54(q) to determine if the effectiveness of the Emergency Plan will be decreased.
- 2.4.14 Ensuring changes made to the Emergency Plan Implementing Procedures are screened to determine if an Emergency Plan change is required.
- 2.4.15 Coordination with state and local emergency preparedness officials on establishing dates for training of offsite support agencies, and the biennial NRC graded exercise if offsite support agencies participate.

NOTE

Manager, Emergency Preparedness (MEP) or designee may develop and distribute a schedule identifying significant emergency preparedness activities including emergency preparedness drills and exercises.

- 2.4.16 Reviewing information from drills and exercises, and address, as appropriate, corrective action to ensure implementation.
- 2.5 Manager, Quality Assurance - Is responsible for establishing the schedule for emergency preparedness audits by Quality Assurance and shall ensure an independent audit of the Emergency Preparedness Program is conducted.
- 2.6 Manager, System Engineering, through the Computer Engineering Section, maintains all Emergency Dose Calculations Source Codes.
- 2.7 Plant General Manager provides overall direction for those site-specific activities which support the Emergency Preparedness Program.
- 2.8 Site Vice President, through the Director, Nuclear Safety Assurance - Is responsible for establishing management direction and control for the Emergency Preparedness Program to ensure preparedness is maintained and any required corrective actions are implemented.

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3.0 REFERENCES

- 3.1 Code of Federal Regulations 10CFR50
- 3.2 NUREG 0654
- 3.3 GGNS Final Safety Analysis Report
- 3.4 Operational Quality Assurance Manual (OQAM)
- 3.5 Grand Gulf Nuclear Station Emergency Plan
- 3.6 GGNS Plant Operations Manual
 - 3.6.1 01-S-10-4, Emergency Preparedness Drills and Exercises
 - 3.6.2 TQ-110, Emergency Preparedness Training Program
 - 3.6.3 01-S-06-5, Reportable Events or Conditions
- 3.7 Nuclear Management Manual (NMM) Procedure
 - 3.7.1 LI-102, Corrective Action Process
 - 3.7.2 OM-119, Onsite Safety Review Committee

4.0 ATTACHMENTS

- 4.1 Attachment I - Required Reading Checklist
- 4.2 Attachment II - Emergency Plan Revision Cover Sheet
- 4.3 Attachment III - Emergency Plan Change Cover Sheet
- 4.4 Attachment IV - Request for and Documentation of Emergency Action Level Review by Offsite Agencies
- 4.5 Attachment V - 10CFR50.54(q) Screening
- 4.6 Attachment VI - 10CFR50.54(q) Evaluation Checklist

5.0 DEFINITIONS

5.1 GGNS Emergency Plan

The GGNS Emergency Plan is an action plan prepared in accordance with the requirements of 10CFR50 and the guidance of NUREG 0654 to control and direct the response of Emergency Response Organizations to a plant emergency condition as defined in the Plan. The Emergency Plan constitutes Section 13.3 of the GGNS FSAR.

5.2 Implementing Procedures

Emergency Plan Procedures (EPPs) provide detailed direction for the Emergency Response Organization and implement actions directed by the Emergency Plan. EPPs are located in Volume 10 of the Plant Operations Manual.

5.3 Plan Change - A handwritten change to the Emergency Plan.

5.4 Plan Revision - The formal revision of the Emergency Plan which may incorporate one or more approved Plan Changes.

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6.0 DETAILS

6.1 Emergency Preparedness Program

The Emergency Preparedness staff has the following general responsibilities:

- 6.1.1 Coordinate the annual and periodic reviews, revision, and distribution of Emergency Preparedness (EP) documents, such as the GGNS Emergency Plan and Emergency Preparedness Procedures.
- 6.1.2 Develop scenarios for drills and exercises as defined by the Emergency Plan.
- 6.1.3 Periodically conduct and participate in drills and exercises to evaluate major portions of emergency response capabilities and federal agencies, and make a timely submission of required reports about these activities.
- 6.1.4 Establish and maintain communications to promote mutual understanding with other departments, federal, state, and local agencies involved in GGNS Emergency Preparedness Program.
 - a. Provide primary communications contact with NRC.
 - b. Periodically meet with federal, state, and local support agencies to establish schedules, coordinate training, and ascertain overall EP status.
 - c. Provide liaison with industry committees and working groups involved in emergency preparedness, and represent GGNS at Regional Utility Group meetings.
 - d. Interact with other departments to ensure the Emergency Response Organization is staffed with qualified personnel and maintained in a state of readiness.
 - e. Provide necessary contact with responsible audit groups to ensure the success of the EP program.
- 6.1.5 Ensure the readiness of Emergency Response Facilities (ERF).
 - a. Maintain ERF inventories.
 - b. Conduct operational checks of essential emergency equipment.
- 6.1.6 Establish goals and objectives for the EP staff that support the Emergency Preparedness Program.
- 6.1.7 Develop and maintain schedules of Emergency Preparedness Tasks.
- 6.1.8 Ensure that EP activities are performed in accordance with Operational Quality Assurance Program requirements.
- 6.1.9 Develop responses to NRC questions, audits, and inspections relative to Emergency Preparedness, and provide regulatory reports as required.

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- 6.1.10 List, track, and identify program deficiencies; schedule, monitor, and resolve listed action items; and recommend any necessary corrective actions to preclude recurrences.
- 6.1.11 Ensure state and local emergency plans and letters of agreement are reviewed on an annual basis; and necessary funding is made available through the budgeting process for state and local agency EP activities.
- 6.1.12 Ensure all changes that may have an affect on the EP Program are evaluated for input on the Emergency Plan and Emergency Preparedness commitments.
- 6.1.13 Conducting a routine poll, via modem, of the Alert and Notification System to ensure the proper operation level is maintained, and reporting any problems to the Siren Maintenance Contractor.
- 6.1.14 Communicating Emergency Preparedness Program changes, deemed significant, to Plant staff and the Emergency Response Organization by one or more of the following methods:
 - a. Training sessions following the Morning Meetings
 - b. EP Hotlines
 - c. Required Reading Program
 - d. Special Meetings as necessary

6.2 Inspections and Audits

- 6.2.1 The EP staff is responsible for:
 - a. Coordinating regulatory and industry group inspections and auditing activities related to the Emergency Preparedness Program.
 - b. Developing responses to deficiencies and findings.
 - c. Recommending to Entergy Operations management that responses per Step 6.2.1.b be transmitted to the associated regulatory, industry, or local/state group.
 - d. Ensuring the timely resolution of emergency preparedness deficiencies, violations, nonconformances, and items of concern identified during Quality Assurance audits and NRC inspections.
 - e. If appropriate, assign action items in response to identified deficiencies and findings to responsible Entergy Operations personnel.

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- 6.2.2 Ensuring an audit of the emergency preparedness program which constitutes an independent review, as required by 10CFR50.54(t), is performed at intervals not to exceed 12 months or, as necessary, based on an assessment by the licensee against performance indicators, and as soon as reasonably practicable after a change occurs in personnel, procedures, equipment, or facilities that potentially could adversely affect emergency preparedness, but no longer than 12 months after the change. In any case, all elements of the emergency preparedness program shall be reviewed at least once every 24 months. The audit is performed under the direction of the Manager, Quality Assurance.
- a. The auditors shall have no direct responsibility for implementation of the Emergency Preparedness Program.
 - b. The part of the audit involving evaluation for adequacy of interface with state and local governments shall be available to the appropriate state and local governments.
 - c. Any findings from the audit, along with recommendations for improvement, shall be:
 - (1) Documented
 - (2) Reported to the Manager, Emergency Preparedness; Director, Nuclear Safety Assurance; Site Vice President; and affected groups.
 - (3) Maintained for a period of five years.
 - d. The review includes at a minimum the Plan, implementing procedures and practices, training readiness testing, equipment, and interfaces with state and local governments.
 - e. Personnel performing reviews or audits of the Plan and/or Emergency Plan Procedures take into account and review corporate policy, state policy and plans, local plans, and the various agreements and understandings with federal, state, and local support agencies and organizations.

6.3 Alert and Notification System (ANS)

- 6.3.1 Siren tests (Growl or Complete Cycle) are conducted by the Claiborne County Civil Defense (CCCD) and Tensas Parish Emergency Preparedness (TPEP) agencies, and generally scheduled for 11:30 a.m. for Tensas Parish and 12:00 noon for Claiborne County, on the first Monday of each month. At the discretion of the local agency directors, monthly siren tests may be rescheduled or canceled.
- 6.3.2 Approximately one hour (but not to exceed two hours) following the completion of the scheduled monthly siren test, the Manager, Emergency Preparedness or designee contacts the respective agencies to determine siren operability.

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6.3.3 The siren operability percentage is determined for the total system after each siren test as follows:

$$a. \frac{\# \text{ operable sirens}}{\text{Claiborne County}} + \frac{\# \text{ operable sirens}}{\text{Tensas Parish}} \div 43 \times 100 = \frac{\% \text{ op.}}{\text{total system}}$$

b. A siren's operability is determined by:

- (1) An 08 or 48 on the feedback report, or
- (2) Manual verification by local agency or utility personnel stationed at a siren site during the scheduled test, or
- (3) Manual verification by local agency or utility personnel responding to the siren site for a subsequent growl test verification, or
- (4) Local residents near a siren site verify the siren sounding.

c. If the percent operability (% op.) for the total system is less than 75%, the Control Room is notified immediately so the required one-hour notification can be made pursuant to 10CFR50.72(b) (1) (v) and 01-S-06-5. Corrective actions to repair inoperable sirens are initiated immediately by notification of the siren maintenance contractor.

6.3.4 Upon determining that a portion of the general public would not be properly alerted of an emergency by the Alert Notification System (less than 75% of sirens operable in Claiborne County and/or Tensas Parish), GGNS Emergency Preparedness personnel should contact the appropriate Civil Defense Director to ensure Sheriff's office notification for route alerting is made. Additionally, the affected state agency (MEMA or LOEP/LDEQ) is notified. Notification should be document by a letter to file.

6.3.5 Unplanned Siren Activations

- a. When the Emergency Preparedness (EP) staff is advised of an unplanned activation of one or more of the ANS sirens, EP ensures that the Control Room is notified and the incident reported in accordance with 01-S-06-5.
- b. Emergency Preparedness coordinates with Corporate Communications in development and subsequent release of news bulletins as appropriate. If a news bulletin is released, EP ensures that the Control Room is notified and reported in accordance with 01-S-06-5.

6.3.6 Annual ANS Training will be conducted by GGNS Emergency Preparedness for Claiborne County Civil Defense, Claiborne County Sheriff's Office, Tensas Parish Emergency Preparedness, and Tensas Parish Sheriff's Office.

6.3.7 ANS trending shall be performed quarterly to identify any negative trends across the system. If a trend is identified, it should be entered into the corrective action process and tracked to resolution.

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6.4 Control of GGNS Emergency Plan

6.4.1 Annual Review

- a. The Emergency Plan shall be reviewed on an annual basis and updated by revision, as necessary. The Annual review should be documented by a letter to file. The annual review shall include the review by state/local agencies of the Emergency Action Levels as required by 10CFR50, Appendix E, Paragraph IV.B.
 - (1) State/local agency reviews are requested by a letter similar to Attachment IV. This letter is addressed to the following individuals:
 - (a) Director, Mississippi Emergency Management Agency
 - (b) Director, Claiborne County Civil Defense
 - (c) Program Manager, Louisiana Department of Environmental Quality, Radiological Emergency Planning and Response
 - (d) Tensas Parish Emergency Preparedness Coordinator
 - (e) Director, Mississippi State Division of Radiological Health
 - (f) Assistant Director, Louisiana Office of Emergency Preparedness
- b. Supporting Emergency Response Plans to the GGNS Emergency Plan have been developed by offsite organizations and agencies and are maintained separately from the GGNS Emergency Plan by the responsible offsite organization/agency. The supporting emergency plans are reviewed as requested, and comments forwarded to the controlling organization as necessary. Revisions to the supporting emergency plans are submitted to the NRC in accordance with Section 6.4.7 as they are provided to GGNS by the various organizations.
- c. Letters of Agreement are reviewed with the affected signatory organization on an annual basis and updated as necessary. A change in signatory(ies) to a given Letter of Agreement does not in itself require revision of that letter; however, a change in applicability of the content of a Letter of Agreement does require a revision.

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6.4.2 Evaluation for Revision

- a. Before initiating revisions to the Emergency Plan, an evaluation is conducted of proposed changes to ensure compliance with the requirements of 10CFR50.
 - (1) Such an evaluation may be conducted by the originator of the proposed change and approved by the Manager, Emergency Preparedness.
 - (2) The evaluation is documented on a form similar to Attachment VI, 10CFR50.54(q) Evaluation Checklist, and is included as part of the revision package for the approval cycle.
 - (3) This evaluation is used to document changes to the Emergency Plan. If possible, a markup of the applicable sections of the Emergency Plan with the proposed changes is attached to the evaluation form.
- b. Revisions to the Emergency Plan may be made without prior NRC approval providing they do not decrease the effectiveness of the Plan, and continue to meet the requirements of 10CFR50.
- c. Proposed changes that decrease the effectiveness of the approved Plan shall not be implemented without prior NRC approval.

6.4.3 Plan Change Origination and Evaluation

- a. Plan Changes may be requested by:
 - (1) Any person within Entergy Operations; by state, local, or federal emergency response agencies (e.g., Nuclear Regulatory Commission).
 - (2) Notifying the Manager, Emergency Preparedness in writing.
 - (3) Telephone communications with the Manager, Emergency Preparedness.
- b. The Manager, Emergency Preparedness reviews all proposed Emergency Plan changes.

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6.4.4 Preparation of Emergency Plan Revisions

- a. The Manager, Emergency Preparedness or his designee prepares an initial draft of an Emergency Plan revision as follows:
- (1) Using the latest approved revision of the Emergency Plan, indicate the changes required by either hand-marking copies of the affected pages or typing pages in the same format as the Emergency Plan.
 - (2) Only the affected pages need be revised and issued. The lower right-hand corner of each revised page indicates the applicable revision number, which must coincide with the new revision number of the Plan to be issued and date (month/year) in which the revision is intended for issuance.
 - (3) When a Plan Revision requires the deletion without substitution of all of the text on a page, the page is not deleted from the Plan. The page is removed and replaced by a revised page with the same number, appropriate revision number, and date showing only the phrase "TEXT DELETED" centered on the revised page.
 - (4) The revised portion of each page is indicated by a bold vertical line in the right-hand margin of the page beside the revised material. If the entire page is being revised, the vertical line extends the entire length of printed material on the page.
 - (5) The Emergency Plan Revision Cover Sheet, Attachment II, is marked with the revision number. The final version for approval and release is designated as "Revision ___" on the Plan cover sheet and all revised pages.
 - (6) The date of the last signatory (Site Vice President) and the revision date in the upper-right corner of the cover sheet are the same. The effective date and signature date are consistent with the date on each page of the revision.

6.4.5 Review of Emergency Plan Revisions

- a. Manager, Emergency Preparedness or his designee
- (1) Presents copies of the draft Plan Revision to the site personnel, if appropriate, for review and concurrence.
 - (2) Upon receipt of review comments, resolves or incorporates all comments; prepares a subsequent draft, if required; and submits the draft, revised in accordance with the review comments, for approval signatures.

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6.4.6 Approval and Distribution of Emergency Plan Revisions and Changes

a. Manager, Emergency Preparedness

- (1) Documents evaluation of the continued effectiveness of the revised Plan by signing the 10CFR50.54(q) Evaluation Checklist (Attachment VI), to indicate that this evaluation has been completed.
 - (a) If the 10CFR50.54(q) Evaluation concludes that the revision/change would decrease the Emergency Plan's effectiveness, forwards the revision/change to the Director, Nuclear Safety Assurance. Director, Nuclear Safety Assurance shall submit the revision/change to and gain approval from the NRC, before the revision/change can be implemented.
- (2) Assembles the following documents to accompany the revision/change through the approval cycle:
 - (a) Emergency Plan Revision/Change Cover Sheet (similar to Attachment II/III)
 - (b) List of Effective Pages
 - (c) Plan Revision/Change Pages
 - (d) 10CFR50.54(q) Evaluation Checklist (similar to Attachment VI)
- (3) Approves the revision/change package formed by the above documents by signature on the Emergency Plan Revision/Change Cover Sheet and ensures the revision/change package is reviewed and approved by the following:
 - (a) Director, Nuclear Safety Assurance
 - (b) OSRC
 - (c) Plant General Manager
 - (d) Site Vice President
- (4) Forwards the revision/change to Nuclear Safety Assurance for distribution to Emergency Plan custodians.
- (5) Files and retains all records of reviews and concurrences related to the revision/change.

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6.4.7 Submittal of Emergency Plan and Implementing Procedure Revisions to the Nuclear Regulatory Commission

a. Emergency Plan Revisions

(1) Manager, Emergency Preparedness provides copies of the revised emergency plan and/or implementing procedure to the Director, Nuclear Safety Assurance for transmittal to the NRC per Reference 3.1.

b. Emergency Plan and Emergency Plan Implementing Procedures revisions are addressed and distributed to the NRC in accordance with 10CFR50.4(b)(5).

6.4.8 Evaluation of Changes to the GGNS Facility and other changes that may affect the Emergency Plan.

a. The following items must be reviewed for impact on the Emergency Plan:

- (1) Emergency Plan implementing procedure revisions and TCNs
- (2) EOI Organization changes (GGNS related)
- (3) GGNS Facility changes (Maintenance Shop, 177' Control Building, ESC Building)
- (4) Updated Final Safety Analysis Report changes
- (5) Any offsite (Emergency Plan related) changes
- (6) Any other changes that may affect implementation of the Emergency Plan

6.5 Training

6.5.1 Training of Emergency Response Organization personnel is conducted in accordance with TQ-110.

6.5.2 Training of Emergency Preparedness Staff

a. Manager, Emergency Preparedness:

- (1) Ensures that before assignment of duties and responsibilities involving quality affecting activities, new personnel have completed a required reading list as a prerequisite to such assignment.
- (2) Assigns required reading as necessary, and documents on forms similar to Attachment I.

6.5.3 Coordinating scheduling and training requirements with offsite support agencies and Entergy Operations departments.

a. Members of local offsite support agencies, including local fire and law enforcement agencies, ambulance and hospital services, receive training during the second quarter of each calendar year, with training dates to be scheduled during the first quarter of each calendar year.

6.6 Drills and Exercises are conducted in accordance with Reference 3.6.1.

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6.7 Local/State Interface

- 6.7.1 The Manager, Emergency Preparedness or designee maintains communication with the appropriate officials from Mississippi Department of Emergency Management Agency (MEMA), Louisiana Department of Environmental Quality (LDEQ), Claiborne County Civil Defense (CCCD), Tensas Parish Emergency Preparedness (TPEP), Mississippi State Board of Health, Division of Radiological Health, and Louisiana Office of Emergency Preparedness (LOEP), regarding the overall status of emergency preparedness. Actions taken by GGNS that could potentially impact state/local planning should not be initiated without their prior concurrence.
- 6.7.2 At the discretion of the Manager, Emergency Preparedness, local and state agency officials may be provided with copies of correspondence in the possession of GGNS related to their emergency preparedness responsibilities.

6.8 Emergency Public Information/News Media Emergency Information

- 6.8.1 The EP staff prepares the Emergency Public Information Publication, and conducts the News Media Emergency Information training on an annual basis.

6.9 Emergency Telephone Book

- 6.9.1 An Emergency Telephone Book containing the telephone numbers of emergency response facilities and personnel is maintained and copies distributed for use at all Emergency Response Facilities.
- 6.9.2 Verification that the telephone numbers are correct is made quarterly and changes published, as necessary.

6.10 ERO Call Tree

- 6.10.1 An Emergency Response Organization Call Tree containing the names, offices numbers, home numbers, and pager numbers is produced and distributed on a monthly basis. This Call Tree is in a flow-chart form and consists of the persons who fill the minimum staffing positions for the TSC, OSC, and EOF.

6.11 Real Event Reporting

- 6.11.1 The Manager, Emergency Preparedness is responsible for generating a report on any activation of the Emergency Plan. The report should include the following:
- Copies of appropriate paperwork generated by the event including: notification forms, checklists, logbooks, survey maps, dose calculations, etc.
 - Observations and comments from the personnel involved in the event.
- 6.11.2 The Manager, Emergency Preparedness is responsible for ensuring that all observations and comments are tracked in the Emergency Preparedness Action Tracking System, as appropriate.

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6.12 Emergency Preparedness Action Tracking System (EPATS)

- 6.12.1 Manager Emergency Preparedness will, as appropriate, track items from drills, exercises, inspection reports, staff findings, etc. to ensure that each item is addressed and closed.
- 6.12.2 After the end of each calendar quarter the EPATS items entered during that quarter are reviewed to determine if they are repeat items, (items previously identified in past quarters.)
- 6.12.3 All repeat items are evaluated to determine if they meet the criteria of reference 3.6.3 or 3.7.1. Any items meeting the criteria in these references are documented on a Condition Report in accordance with reference 3.7.1.
- 6.12.4 The Manager, Emergency Preparedness, or his designee, documents the results of the Quarterly EPATS by letter, and a copy of the letter is submitted to Nuclear Records.

6.13 Emergency Plan Implementing Procedures Screening

- 6.13.1 Manager, Emergency Preparedness ensures revisions/changes to Emergency Plan Implementing Procedures are screened (Attachment V) to determine if an Emergency Plan revision/change is required.
- 6.13.2 If a screening indicates that the Emergency Plan or EAL's are affected, a Emergency Plan revision/change and 10CFR50.54(q) Evaluation Checklist (Attachment VI) must be complete before the revision/change can be implemented.

7.0 EMERGENCY DOSE CALCULATION SOFTWARE AND SOURCE CODE CONTROL

NOTE

The Manager, System Engineering, through the Computer Engineering section, maintains all emergency dose calculation source codes, including a Configuration Management Plan and a Maintenance Procedure/Plan.

7.1 The Manager, EP is responsible for:

- 7.1.1 The current documentation of the computer software including initial system test results, results of software revision tests, and users manuals.
- 7.1.2 The locations of all authorized installations of the dose assessment software.
- 7.1.3 Documentation of commitment compliance.
- 7.1.4 Authorizing the implementation of software modifications.
- 7.1.5 Ensuring appropriate technical reviews have been completed before authorizing software modification.
- 7.1.6 Ensuring satisfactory completion of all testing before releasing revised software for use and testing after installation in the field.
- 7.1.7 Maintaining administrative control of source code.

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- 7.1.8 Notifying the Training and Chemistry/Radiation Control Departments of software changes.
- 7.1.9 Ensuring appropriate state agencies are informed of significant changes to the computer software.
- 7.1.10 Ensuring changes to the software are forwarded to the Manager, Training & Development for incorporation into the appropriate training program.
- 7.1.11 Ensuring that procedures for the use of the software are updated to reflect software changes.
- 7.1.12 Ensuring that GGNS onsite computers requiring current copies of approved dose calculation software are updated when software revisions are issued.
- 7.1.13 Ensuring that designated users are informed of software revisions.
- 7.1.14 Designating an individual(s) to act as system manager to control software installation on authorized computer locations.

| | |
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| Attachment I | Page 1 of 1 |

REQUIRED READING CHECKLIST

Employee's Name: _____ Date: _____
Employee's SSN: _____
Employee's Position: _____
Supervisor's Name: _____

By my signature I certify that I have completed the required reading on the date shown and that I understand the material covered.

| | <u>Reading Material Title</u> | <u>Pages</u> | <u>Date</u> | <u>Employee Signature</u> |
|-----|-------------------------------|--------------|-------------|---------------------------|
| 1. | _____ | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ | _____ |
| 6. | _____ | _____ | _____ | _____ |
| 7. | _____ | _____ | _____ | _____ |
| 8. | _____ | _____ | _____ | _____ |
| 9. | _____ | _____ | _____ | _____ |
| 10. | _____ | _____ | _____ | _____ |
| 11. | _____ | _____ | _____ | _____ |
| 12. | _____ | _____ | _____ | _____ |
| 13. | _____ | _____ | _____ | _____ |
| 14. | _____ | _____ | _____ | _____ |
| 15. | _____ | _____ | _____ | _____ |
| 16. | _____ | _____ | _____ | _____ |
| 17. | _____ | _____ | _____ | _____ |
| 18. | _____ | _____ | _____ | _____ |

| | |
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| Attachment II | Page 1 of 1 |

EMERGENCY PLAN REVISION COVER SHEET

EXAMPLE

Revision No. _____

Date _____

GRAND GULF NUCLEAR STATION

EMERGENCY PLAN

NON-SAFETY RELATED

Implementation of this revision will not decrease the effectiveness of the Emergency Plan, and the Plan will continue to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50, Appendix E.

Preparer: _____
Emergency Preparedness

Reviewed/Approved: _____
Manager, Emergency Preparedness

Reviewed/Approved: _____
Director, Nuclear Safety Assurance /Date

Reviewed/Approved: _____
Chairman, Onsite Safety Review Committee/Date

Reviewed/Approved: _____
Plant General Manager /Date

Reviewed/Approved: _____
Site Vice President /Date

| | |
|----------------|--------------|
| 01-S-10-3 | Revision: 10 |
| Attachment III | Page 1 of 1 |

EMERGENCY PLAN CHANGE COVER SHEET

EXAMPLE

Change No. _____

Date _____

GRAND GULF NUCLEAR STATION

EMERGENCY PLAN

NON-SAFETY RELATED

Implementation of this change will not decrease the effectiveness of the Emergency Plan, and the Plan will continue to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50, Appendix E.

Preparer: _____
Emergency Preparedness

Reviewed/Approved: _____
Manager, Emergency Preparedness

Reviewed/Approved: _____
Director, Nuclear Safety Assurance /Date

Reviewed/Approved: _____
Chairman, Onsite Safety Review Committee/Date

Reviewed/Approved: _____
Plant General Manager /Date

Reviewed/Approved: _____
Site Vice President /Date

| | |
|---------------|--------------|
| 01-S-10-3 | Revision: 10 |
| Attachment IV | Page 1 of 2 |

REQUEST FOR AND DOCUMENTATION OF EMERGENCY ACTION
LEVEL REVIEW BY OFFSITE AGENCIES

EXAMPLE

Mr. Robert Latham
 Director, MEMA
 Fondren Station
 Jackson, Mississippi

(Date)

Dear Mr. Latham:

SUBJECT: Grand Gulf Nuclear Station
 Emergency Action Level Review

GEXO- _____ / _____

10CFR50, Appendix E, IV.B requires that "emergency action levels..." be reviewed with state and local government authorities on an annual basis. The emergency action levels for Grand Gulf Nuclear Station, which were developed in accordance with the guidance of NUREG-0654, are contained in Section 4.0 of the Plan and in GGNS Emergency Plan Procedure 10-S-01-1 (Attachment I).

We are currently preparing Revision ___ to the Emergency Plan. Please review Section 4.0 in your copy of the Plan and advise us of your comments by completing and returning the Concurrence Review Form (Attachment I) by _____ (date) _____.

If you have any questions, please contact Mr. M. F. Guynn at xxx-xxxx.

Yours truly,

Manager, Emergency Preparedness

MFG
 Attachments

cc: Standard Distribution

EXAMPLE

| | |
|---------------|--------------|
| 01-S-10-3 | Revision: 10 |
| Attachment IV | Page 2 of 2 |

REQUEST FOR AND DOCUMENTATION OF EMERGENCY ACTION
LEVEL REVIEW BY OFFSITE AGENCIES

EXAMPLE

Attachment I to GEXO-_____/____

I have reviewed the Grand Gulf Nuclear Station emergency action levels as contained in Section 4.0 of the Grand Gulf Nuclear Station Emergency Plan and in GGNS Emergency Plan Procedure 10-S-01-1; my comments are as follows:

- () Concur as written
- () Comments attached

Name/Date

Title/Organization

Please return completed form to:

Manager, Emergency Preparedness
 Grand Gulf Nuclear Station
 P. O. Box 756
 Port Gibson, Mississippi 39150

| | |
|---------------|--------------|
| 01-S-10-3 | Revision: 10 |
| Attachment VI | Page 1 of 2 |

10CFR50.54(q) Evaluation Checklist

| | |
|---|--|
|  ENTERGY | 10CFR50.54(q) EP Evaluation Checklist |
| 1. DOCUMENT CHANGED: | |
| 2. EMERGENCY PLAN SECTION(S) <u>OR</u> PROCEDURE SECTION(S): | |
| 3. REVISION NUMBER: | |
| 4. DOCUMENT REVIEWED: <i>Include Page Number and Section Number where Applicable</i> | |
| 5. PROPOSED CHANGE(S): | |
| <p>6. 10CFR50.54(q) states in part: "The nuclear power reactor licensee may make changes to these plans without Commission approval only if the changes do not decrease the effectiveness of the plans and the plans, as changed, continue to meet the standards of 50.47(b) and the requirements of Appendix E of 10CFR 50." Review the planning standards contained in 10CFR50.47(b) and 10CFR50, Appendix E to determine if any of the standards are affected by the change. Check the applicable abbreviated standard below if it is affected.</p> <p style="text-align: center;"><u>10CFR50.47(b) STANDARDS</u></p> <p>(1) ___ Assignment of ERO Responsibilities by licensee, state & county. (2) ___ Adequate staffing and response, both Onsite and Offsite. (3) ___ Arrangements for assistance, and state and local staff provided for at the EOF. (4) ___ Emergency Classification/Action Levels and minimum initial offsite response. (5) ___ Notification to state/local/ERO, and Notification to the public provided for. (6) ___ Communications-State/local/ERO and the public. (7) ___ Information to the public/media on a periodic basis. (8) ___ Emergency facilities and equipment are provided and maintained. (9) ___ Methods/systems/equipment for monitoring for offsite consequences. (10) ___ Protective actions for the plume exposure pathway/EPZ for workers and public. (11) ___ Emergency worker exposure controls. (12) ___ Medical services for contaminated injured personnel. (13) ___ General plans for reentry and recovery. (14) ___ Periodic exercises and drills. Deficiencies are identified and corrected. (15) ___ Radiological emergency response training provided. (16) ___ Responsibilities for Emergency Plan development/review/distribution.</p> <p style="text-align: center;"><u>10CFR50, APPENDIX E STANDARDS</u></p> <p>___ (I), (II), (III) Emergency Plan as described in the FSAR. ___ (IV)A Emergency organization for coping with radiological emergencies. ___ (IV)B Assessing the release of radiological material and associated EALs. ___ (IV)C Emergency classification and EALs and notification/activation of the ERO.</p> | |

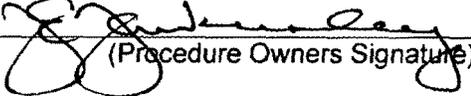


39
38
12/12/02

Title: Emergency Preparedness Training Program

| <u>Reviews</u> | <u>Required</u> |
|--|-----------------|
| Cross Discipline Review | <u>No</u> |
| Code Reviews: | |
| 10CFR50.59 Review | <u>No</u> |
| 10CFR50.54 Review | <u>No</u> |
| Environmental Qualification..... | <u>No</u> |
| On-Site Safety Review Committee Reviews..... | <u>No</u> |

Procedure Owner: Tom Tankersley / Manager, Training and Development

Approved:  12/12/02
 (Procedure Owners Signature) (Date)

Effective Dates: 12/15/02 12/15/02 12/15/02 12/15/02 NA
 ANO GGNS RBS W3 Echelon

New Procedure/Revision/Cancellation Basis: Revision 2
 This is an Editorial Change to restore Waterford 3 commitments that were removed from a previous revision. This change affects Waterford 3 only and does not affect any of the other EN-S sites.



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|  | <p align="center">NUCLEAR MANAGEMENT MANUAL</p> | <p align="center">NON-QUALITY RELATED NON-ADMINISTRATIVE PROCEDURE INFORMATIONAL USE</p> | <p>TQ-110 REV. No. 1 Page 3 of 39</p> |
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1.0 PURPOSE

- 1.1 This procedure establishes the appropriate training and qualification requirements for Emergency Response Organization (ERO) personnel in accordance with the site Emergency Plans.

2.0 REFERENCES

- 2.1 ANO, GGNS, RBS, WF3 Emergency Plans
- 2.2 NUREG-0654 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 2.3 Title 10, Code of Federal Regulations, Part 50(10CFR50)
- 2.3.1 Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities"
- 2.3.2 50.47, "Emergency Plans"
- 2.4 INPO 96-009, "Maintaining Emergency Preparedness Manual"
- 2.5 Title 10, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation"
- 2.6 Entergy Nuclear Management Manual (NMM) Company Procedures
- 2.6.1 No. PL-140, "Emergency Response Organization Respiratory Protection Guidelines"
- 2.6.2 No. PL-147, "Personnel Expectations Related to Emergency Response at Entergy Nuclear Sites"
- 2.6.3 No. TQ-201, "Systematic Approach to Training Process"
- 2.6.4 No. TQ-106, "Instructor Training and Qualification Process"
- 2.6.5 No. TQ-205, "Training Exemptions"
- 2.7 Entergy Emergency Preparedness Position Papers
- 2.7.1 Position Paper No. 9, "Management and Tracking of Emergency Response Organization (ERO) Qualifications"
- 2.8 Station Procedures
- 2.8.1 ANO – 1000.015, "Station Training Program"
- 2.8.2 GGNS – 01-S-04-36, Handling of Training Documents
- 2.8.3 WF3 – NTP-003, "Training Records"

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|  Entergy | NUCLEAR MANAGEMENT MANUAL | NON-QUALITY RELATED NON-ADMINISTRATIVE PROCEDURE INFORMATIONAL USE | TQ-110 REV. No. 1 Page 4 of 39 |
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3.0 DEFINITIONS

- 3.1 Annual - For the purposes of this procedure, annual is defined as that period between January 1 and December 31st of each year.
- 3.2 Credit by Examination (CBE) – Training credit given to ERO personnel for successfully completing Emergency Plan training courses by passing the examination only. CBE is only allowed under certain circumstances for experienced ERO members in accordance with station training procedures.
- 3.3 Computer Based Training (CBT) – Training provided to ERO personnel through the use of computer interaction. CBT courses may be provided to students either remotely or in a classroom setting.
- 3.4 Drill – Performance enhancing experiences that reasonably simulate the interactions between appropriate centers and/or individuals that would be expected to occur during emergencies. Drills are an ERO training activity and may be used for initial and/or re-qualification training purposes.
- 3.5 Emergency Response Organization (ERO) – Personnel who are assigned and trained to respond to emergency events and perform duties as outlined in site emergency plans.
- 3.6 Exemptions/Waivers – Emergency Preparedness Training/Qualification credit given to students/instructors implemented in accordance with NMM TQ-205, "Training Exemptions".
- 3.7 Exercise – An activity aimed at testing the integrated capability and a major portion of the basic elements of the Emergency Planning and Response Organizations. An exercise involves a major portion of the Emergency Response Organization and is evaluated by the NRC.

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3.8 Tabletop – A specialized training session conducted for an emergency response facility or group. Tabletops are seminar style meetings in a facility to discuss objectives and expectations of ERO personnel. These sessions are designed to emphasize team building and correct previously identified weaknesses.

3.9 Walkthrough – A training activity designed to develop and maintain an individual's knowledge of their assigned ERO duties. The walkthrough is normally conducted in an emergency response facility and includes discussion or demonstration of the appropriate facility activation, staffing, and organizational responsibilities for the individual's assigned ERO position.

4.0 **RESPONSIBILITIES**

4.1 Manager, Training and Development – Is responsible for providing and implementing an Emergency Preparedness Training Program and for overall performance of this program.

4.2 Manager, Emergency Preparedness – Is responsible for ensuring a comprehensive Emergency Preparedness Training Program is maintained for all offsite and onsite response personnel.

4.3 Supervisor, Technical Training - or designee is responsible for the administration of the day-to-day performance of the EP Training Program.

4.4 EP Training Instructor – Responsible for the development, scheduling, administering, and documenting of EP Training.

4.5 Emergency Response Personnel in accordance with NMM, Company Procedure, No. PL-147 will:

4.5.1 Maintain emergency response qualifications for their position including EP Training and additional specific training such as licenses, respirator qualifications, PAT, RWT, and FFD training.

4.5.2 Attend scheduled training and if unable to attend, provide prior notification to their supervisor and to the instructor.

5.0 **DETAILS**

5.1 Emergency Plan Training for ALL Personnel

Information on the Emergency Plan is administered as part of Plant Access Training (PAT) to all personnel (excluding visitors) coming onsite for the first time and to all personnel participating in the annual PAT retraining program. This portion of PAT meets the following objectives:

5.1.1 Trains personnel with respect to their responsibilities during an emergency situation.

5.1.2 Keeps personnel informed of any applicable changes to the Emergency Plan

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5.1.3 Instructions concerning the following will be given to all personnel participating in Plant Access Training:

- 5.1.3.1 Signals and alarms
- 5.1.3.2 Evacuation routes and procedures
- 5.1.3.3 Response during an emergency
- 5.1.3.4 Response on observing an unusual occurrence
- 5.1.3.5 Emergency classifications
- 5.1.3.6 Public relations

5.2 Prerequisites for Emergency Response Organization Personnel

- 5.2.1 Plant Access Training including Fitness for Duty is required for all ERO personnel.
- 5.2.2 Radiation Worker Training is required for all ERO personnel, excluding News Center personnel.
- 5.2.3 Respiratory Protection Training, physical and fit test as required per NMM, Company Procedure, No.PL-140.

5.3 Initial Training for Emergency Response Organization Personnel

- 5.3.1 Individuals designated as Emergency Response Organization (ERO) personnel must be qualified in accordance with this procedure.
- 5.3.2 Requirements for each position are found in the site training matrices, Attachment 9.0.
- 5.3.3 Initial Emergency Response Organization (ERO) Training Requirements-Initial ERO training is designed to provide the necessary instruction to personnel that are assigned to the ERO, as it relates to their designated ERO position, and may include all or portions of the following course areas:
 - Essential Training (Basics of Emergency Response Organization and Facilities)
 - Facility Training
 - Position Specific Training
 - Drill, Tabletop, or Walkthrough
 - Operations Event Training

These course areas should be taught in accordance with the applicable matrix in 9.0.

- 5.3.4 Scheduling for initial training is normally coordinated between the individual and the EP Training instructor and/or through the use of "OnTrack for Training".
- 5.3.5 Evaluations are normally given to ensure adequate understanding and retention of material covered in the classroom, and/or other specific qualifying activities. Written exams require a passing score of 80% or greater. Evaluations are administered in accordance with reference 2.6.3.

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5.3.5.1 Individuals who fail to pass Initial Training must be remediated which may include remedial training and/or re-examination.

5.3.6 Initial ERO training supplements the training received by personnel through their departmental training.

5.4 Re-qualification Training for ERO Personnel

5.4.1 ERO Re-qualification Training is given to reinforce Initial Training in accordance with the applicable matrix in 9.0.

5.4.2 You must attend training annually (or as indicated in the applicable matrix in 9.0) to remain qualified in your assigned position.

5.4.3 Prior to taking ERO Re-qualification Training, you must be current in Initial Training.

5.4.4 ERO Re-qualification Training Requirements – Course material provided during re-qualification training is determined from previous drill/training evaluations and ERO personnel needs. Re-qualification training course material may include information from all or portions of the following :

- Essential Training (Basics of Emergency Response Organization and Facilities)
- Facility Training
- Position Specific Training
- Drill, Exercise, or Tabletop
- Operations Event Training

These courses should be taught in accordance with the matrices in 9.0.

5.4.5 Scheduling for re-qualification training is normally coordinated between the individual and the EP Training instructor and/or through the use of "OnTrack for Training".

5.4.6 Evaluations are normally given to ensure adequate understanding and retention of material covered in the classroom, and/or other specific qualifying activities. Written exams require a passing score of 80% or greater. Evaluations are administered in accordance with reference 2.6.3.

Credit by Exam (CBE) may be given in lieu of classroom, CBT, etc. at the discretion of the instructor. Failure of CBE requires completing an initial class.

5.4.6.1 Individuals who fail to pass Re-qualification Training should be remediated the same working day. Remediation may include remedial training and/or re-examination. If remediation is not accomplished within the same working day, the failure must be reported to Emergency Preparedness as soon as possible.

5.4.6.2 All failures after attempting 5.4.6.1, must complete Initial Training Requirements.

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- 5.4.7 ERO Re-qualification Training supplements the training received by personnel through their continuing departmental training.
- 5.4.8 Consequences – If an individual fails to remain qualified in accordance with this procedure, the individual shall be disqualified from participating in the ERO.
- 5.4.9 Conditions of Disqualification – Individuals that are removed from the ERO shall not perform during emergencies and exercises in assigned ERO positions until the required qualifications are completed. They may perform in assigned ERO positions during drills or other practical training activities.
- 5.4.10 Reinstatement of disqualified ERO Members – When deficient course work/qualifications are completed IAW this procedure the member will be reinstated in their former ERO position.

5.5 Exemptions/Waivers may be granted per reference 2.6.5.

6.0 INTERFACES
None

7.0 RECORDS

- 7.1 All records shall be documented and recorded in accordance with applicable site procedures.



8.0 REQUIREMENTS AND COMMITMENT CROSS REFERENCE

| Plant | Commitment Number | Requirement Name | Paragraph Number | Corp. Proc explanation |
|--------------|--------------------------|----------------------------------|-------------------------|--|
| GGNS | P-22986-88 | UFSAR 18.1.22.S3-5 | 5.3.1, 5.3.2, 5.4.8 | Trng. for Mitigating Core Damage |
| GGNS | P-22989 | UFSAR 18.1.22.S7 | 5.3.1, 5.3.2, 5.4.8 | Trng. for Mitigating Core Damage |
| GGNS | P-24468 | AECM-89/0202.AT.1,IV.S7 | 5.4.6.1, 5.5 | Escalation of Deviations from Emer. Training |
| GGNS | P-26675 | ANSI N2.3.4.5.1.S1 | 5.1.3.1 | Evacuation Signal Testing |
| GGNS | P-26676 | ANSI N2.3.4.5.2.S1 | 5.1.3.1 | Evacuation Signal Testing |
| GGNS | P-26677 | ANSI N2.3.4.5.3.S2 | 5.1.3.1 | Evacuation Signal Testing |
| GGNS | P-28891 | E-PLAN 6.5.1.A.5 | 5.1 | Declared Emergency Situations |
| GGNS | P-28945 | E-PLAN 8.2.S1 | Whole procedure | Emergency Plan Training Program |
| GGNS | P-28946 | E-PLAN 8.2.S2 | Whole procedure | Emergency Plan Training Program |
| GGNS | P-28948 | E-PLAN 8.2.1.S1 | 5.1 | GET |
| GGNS | P-28949 | E-PLAN 8.2.1.S2 | 5.1 | GET |
| GGNS | P-28950 | E-PLAN 8.2.1.S3 | 5.1 | GET |
| GGNS | P-28951 | E-PLAN 8.2.2.S1 | 5.3.1, 5.3.2, 5.4.8 | Emergency Plan Training |
| GGNS | P-28952 | E-PLAN 8.2.2.S2 | Whole procedure | Emergency Response Training |
| GGNS | P-28953 | E-PLAN 8.2.2.S3 | Whole procedure | Emergency Preparedness Specialized Training |
| GGNS | P-29532 | TRM 7.6.3.1.A | 5.3.1, 5.3.2, 5.4.8 | Emergency Preparedness Trng. Program |
| GGNS | P-32776 | FSAR 18.1.22.S6 | 5.3.1, 5.3.2, 5.4.8 | Training for Operations Mgmt. personnel |
| GGNS | P-31141 | Tech Spec 5.5.3a | 5.3.1, 5.3.2, 5.4.8 | Chemistry Training Program |
| GGNS | P-32820 | FSAR 7.7.1.11.4.3.S3 | 5.3.1, 5.3.2, 5.4.8 | Classroom Training will be provided on PASS system operation and proper handling of highly radioactive samples |
| GGNS | P-33053 | GNRO-97/00080.97-OGNRI 9/01/1997 | 5.3.1, 5.3.2, 5.4.8 | Ensure persons that perform on-shift radiological assessment will periodically train with operations personnel in a Control Room/Simulator setting |
| ANO | P-4175 | OCAN128305 | 5.2.1,5.3.3,5.4.2 | GET, ERO Assignment, ERO Regual Training |
| ANO | P-10866 | OCAN058203 | 5.2.1,5.4.2 | GET, ERO Regual Training |
| ANO | P-4822 | OCAN098106 | 5.3.3 & 5.4.4 | ERO Regual Training |
| RBS | I-15735 | RBF1-98-0070 | 5.2.1, 5.2.2, 5.4.2 | PAT, RWT |
| W3 | P-5074 | E-PLAN 3.4.4 | 5.3 | Ensure Comprehensive Training Program is maintained for all on-site and off-site response personnel. |
| W3 | P-12775 | IR 85-25 | 5.4 | NRC Notification |
| W3 | P-5121 | E-PLAN 5.1.2 | 5.3 | Training and Qual. Of members of On-shift Emerg. Organization |
| W3 | P-13297 | FSAR 5.1.3.C | 5.3 | Training for Rad. Emerg. Teams |



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| Plant | Commitment Number | Requirement Name | Paragraph Number | Corp. Proc explanation |
|--------------|--------------------------|-------------------------|-------------------------|---|
| W3 | P-14271 | IR 87-09 | 5.3 | STA's to be trained as Emerg. Coordinators |
| W3 | P-20515 | IR 93-08 | 5.4 | Dose Assessment Training for Ops. Communicators |
| W3 | P-7354 | E-PLAN 8.1.1.4 | 5.3, 5.4 | Training for Offsite Orgs |
| W3 | P-7356 | E-PLAN 8.1.1.4 | 5.3, 5.4 | Training for Support Orgs. IAW Letters of Agreement |
| W3 | P-13031 | E-PLAN 8.1.1.4 | 5.3, 5.4 | Training for Offsite Orgs. |
| W3 | P-16008 | E-PLAN 8.1.1.2 | 5.3, 5.4 | Training for W1&2 |
| W3 | P-7349 | E-PLAN 8.1.1 | 5.3, 5.4 | Training for Site Personnel |
| W3 | P-7353 | E-PLAN 8.1.1.3 | 5.3, 5.4 | Training for ERO |



9.0 ATTACHMENTS

9.1 Course Summaries

Arkansas Nuclear One (ANO)

| <u>TUOI #</u> | <u>TUOI Title</u> |
|---------------|--|
| ASLP-EP-A0011 | Emergency Response/Support Organization |
| ASLP-EP-A0012 | Emergency Response Facilities |
| ASLP-EP-A0013 | Overview Emergency Plan and EPIP's |
| ASLP-EP-A0014 | Role of the NRC |
| ASLP-EP-A0015 | Emergency Interface Agreement |
| ASLP-EP-A0016 | Scenario/Exercise Rules and Guidelines |
| ASLP-EP-A0017 | Turnover of Responsibilities |
| ASLP-EP-A0021 | Medical Emergencies |
| ASLP-EP-A0022 | Dealing with the Media - offered upon recommendation by EP Manager; Provided by Entergy Corporate Communications |
| ASLP-EP-A0024 | Evacuation |
| ASLP-EP-A0025 | Reentry for Recovery |
| ASLP-EP-A0026 | EP Training for Engineers |
| ASLP-EP-A0031 | Communications |
| ASLP-EP-A0032 | Emergency Systems Review - offered upon recommendation; Operations Training |
| ASLP-EP-A0041 | Controller/Evaluator Training |



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| | |
|--------------------|--|
| ASDRL-EP-A0044 | ERO Drill |
| ASLP-EP-A0045 | ERF Walkthrough |
| ASLP-EP-A0060 | Duty Emergency Planner |
| ASLP-EP-A0062 | Offsite Dose Consequences |
| ASLP-EP-A0063 | Dose Assessment Training |
| ASLP-EP-A0071 | Onsite Radiation Monitoring Team |
| ASLP-EP-A0072 | Non-routine Equipment |
| ASLP-EP-A0073 | Radiological Field Monitoring |
| ASLP-EP-A0081 | EAL Class – Operations Training |
| ASLP-EP-A0082 | Emergency Response/Notification |
| ASCBT-EP-A0083 | Severe Accident Management (Overview) |
| ANO-1/2-SAMG (OPS) | Severe Accident Management (In-Depth) - Operations SAMG Course |
| ASLP-EP-A0091 | Update Training |
| ASRR-EP-A0093 | Emergency Plan Required Reading |
| ASOTH-EP-A0094 | Misc. Emergency Plan Training |
| ASWBK-EP-ERORQ | ERO Requalification Training (Workbook) |
| ASLEC-EP-ERORQ | ERO Requalification Training (Lecture) |
| ASCBT-EP-ERORQ | ERO Requalification Training (Computer Based Training) |
| ASDRL-EP-SIMPI | Simulator PI Drill |
| ASLP-EP-A0064 | ENC Staff Training |
| ASLP-EP-OPSRQ | Emergency Plan SRO/SE Requal Training |



Grand Gulf Nuclear Station (GGNS)

Essential Training

Facility Training

Position Specific

EPTS 1 – Security Training

EPTS 2 – Mitigation and/or Recognition of Core Damage

EPTS 3 – Radiological Assessment

EPTS 5 – Radiological Monitoring

EPTS 6- Emergency Assessment

EPTS 7 – Post-Accident Sampling

EPTS 9 – Standard First Aid (American Red Cross IAW their policies and procedures)

EPTS 11 – Response Teams

CPR/CPRP – Adult CPR/CPR Professional (IAmerican Red Cross IAW their policies and procedures)

EPTS 14 – EIC Staff Specific Training

EPTS 16 – OSC Coordinator and OSC HP Coordinator Training

EPTS 17 – Security Coordinator Training

EPTS 19 – Severe Accident Procedures Training

EPTS 23 – ENMC/EIC Specific Training

EPTS 24 – EOF Specific Training

EPTS 25 – Communicator Training

Facility Walkthrough (FW) – Discussion and/or demonstration of individual's assigned ERO position.

Drill Participation – Participate in a qualifying EP Activity in the ERO position assigned.

Riverbend Station (RBS)

**Essential Training
LEC-EP-100
Facility Training
LEC-EP-101
Position Specific**

**Emergency Preparedness; Organization and Facilities
Facility Training**

LEC-EP-022

Notifications (NEOs)

LEC-EP-023

Notifications (SROs)

LEC-EP-024

Notifications (TSC/EOF Comm)

LEC-EP-031

Emergency Identification and Classifications (Ops Coord/Adv)

LEC-EP-032

Emergency Identification and Classifications (SROs)

LEC-EP-041

Radiological Assessment and Protective Action Recommendations (RPA/RPC)

LEC-EP-042

Radiological Assessment and Protective Action Recommendations (SROs)

LEC-EP-051

Offsite Dose Calculation Methodology (Chem Techs)

LEC-EP-052

Offsite Dose Assessment (OSS, CRS, CCDAC)

LEC-EP-053

Offsite Dose Calculations and Protective Action Recommendations (RAC, ARAC, CCDAC)

LEC-EP-061

Radiological Monitoring

LEC-EP-071

NCO/NEO Emergency Response Duties

LEC-EP-083

Management Control of Emergencies (RM/ED/Mgrs)

LEC-EP-091

Emergency Response Training for Security Personnel



| | |
|------------|--|
| LEC-EP-115 | ERO Tabletop Training |
| LEC-EP-118 | First Responders-Emergency Organization and Facilities |
| LEC-EP-122 | Overview of Severe Accident Guidelines |
| LEC-EP-124 | Severe Accident Phenomena/Technical Support Guideline Training |

Waterford 3 (WF3)

PAT Plant Access Training

RWT Radworker Training

Essential Personnel (1)

WLP-EP-ESS Essential Personnel

Facility Training (2)

WLP-EP-TSC Technical Support Center

WLP-EP-OSC Operational Support Center

WLP-EP-EOF Emergency Operations Facility

Position Specific (3)

WLP-EP-EC Emergency Coordinator

WLP-EP-TSPV TSC Supervisor/TSC Supervisor Communicator

WLP-EP-SS SM/CRS/NPO/Operations Coordinator/Operations Communicator/STA

WLP-NAO-EP01 Nuclear Auxiliary Operator

WLP-EP-THPC TSC Health Physics/HPC/HPC Assistant/DAC/DAC Assistant

WLP-EP-DACM Dose Assessment Communicator



| | |
|-------------|---|
| WLP-EP-TCOM | TSC Communicator #1and #2/TSC Lead Communicator |
| WLP-EP-TENS | ENS Communicator |
| WLP-EP-SECS | Security Superintendent |
| WLP-EP-SEC | E-Plan Security |
| WLP-EP-TENG | TSC Engineer/TSC Lead Engineer/TSC Electrical Engineer/TSC Mechanical Engineer |
| WLP-EP-TNUC | TSC Nuclear Engineer |
| WLP-EP-TCHM | TSC Chemistry Engineer |
| WLP-EP-CHEM | Emergency Chemistry |
| WLP-EP-OSPV | OSC Supervisor/OSC Supervisor Assistant/OSC Electrical Lead/OSC I&C Lead/OSC Mechanical Lead |
| WLP-EP-OCOM | OSC Supervisor Communicator |
| WLP-EP-EMHP | Emergency HP Monitoring Team/RCC |
| WLP-EP-RDW | Emergency Radwaste |
| WLP-EP-OAAS | Assembly Area Supervisor |
| WLP-EP-TSBK | TSC Status Board Keeper |
| WLP-EP-TLOG | TSC Logkeeper |
| WLP-EP-OITR | OSC IT Representative |
| WLP-EP-OMAN | OSC Manpower/Electrical Maintenance/I&C Maintenance/ Mechanical Maintenance/ OSC Miscellaneous Support |
| WLP-EP-EDIR | EOF Director/Deputy EOF Director |
| WLP-EP-EENG | EOF Engineer/EOF Electrical Engineer/EOF I&C Engineer/EOF Mechanical Engineer/Operations Engineering Coordinator/Operations Engineering Coordinator Assistant |



| | |
|-------------|--|
| WLP-EP-ENUC | EOF Nuclear Engineer |
| WLP-EP-ESBK | EOF Status Board Keeper |
| WLP-EP-ERAC | EOF Health Physics/RAC/RAC Assistant/Field Team Controller/Dose Projection Coordinator |
| WLP-EP-FTCM | EOF Field Team Communicator |
| WLP-EP-EOTA | Offsite Technical Advisor |
| WLP-EP-TSPK | Technical Spokesperson |
| WLP-EP-TREP | Technical Representative/St. Charles Parish Technical Representative/St. John Parish Technical Representative/State Technical Representative |
| WLP-EP-OTAT | Offsite Technical Advisor Assistant |
| WLP-EP-ECOM | EOF Communicator #1, #2, #3/Communications Coordinator |
| WLP-EP-EENT | Entergy System Liaison |
| WLP-EP-ELIC | Licensing Coordinator |
| WLP-EP-EADM | Administration/Logistics Coordinator |
| WLP-EP-ELOG | EOF Logkeeper/Administrative Assistant – Training/Administrative Assistant General/ EOF Procurement Representative |

Severe Accident Management Overview (4)



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Control Room

| | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 21 | 22 | 24 | 25 | 26 | 31 | 32 | SIMPI | 45 | 60 | 62 | 63 | 71 | 72 | 73 | 81 * | 82 | 83 | SAM G* |
|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|---------|----|----|-----------|
| Shift Manager | X | X | X | X | X | X | X | X | | X | X | | X | | X | X | | X | | X | | | X | X | | X |
| Shift Engineer | X | X | X | | | X | | X | | X | | | X | | X | X | | | | | | | X | X | X | |
| SRO | X | X | X | X | X | X | X | X | | X | X | | X | | | | | X | | X | | | X | X | | X |
| RO | X | X | X | | X | X | | | | | X | | X | | | | | | | | | | | | | X |
| Status Board Comm. | X | X | X | | | X | | | | X | | | X | | | X | | | | | | | | | | X |

*Courses provided by Operations Training

**ANO ERO Position/TUOI Training Matrix – Annual Requalification Training
(See TUOI Listing)**

Emergency Operations Facility (EOF)

| | ASCBT/LEC-EP-ERORQ | ASDRL-EP-A0044 | ASCBT-EP-A0083* |
|----------------------|--------------------|----------------|-----------------|
| Acc. Assmt. Manager | X | X | X |
| Comm. Manager | X | X | X |
| Comm. Liaison | X | X | X |
| Dose Assessment Tm. | X | | X |
| Dose Assmt. Supv. | X | X | X |
| Engineering | X | | X |
| EOF Director | X | X | X |
| EOF HP Supv. | X | X | X |
| EOF Maint. Coord. | X | X | X |
| EOF Support Supt. | X | X | X |
| Emerg. Rad. Team | X | | X |
| EP Duty | X | | X |
| Notif. Communicator | X | X | X |
| Offsite Monit. Supv. | X | X | X |
| REAM | X | X | X |
| Status Board Comm. | X | X | X |
| Support Manager | X | X | X |

*Required every three years



Operational Support Center (OSC)

| | ASCBT/LEC-EP-ERORQ | ASDRL-EP-A0044 | ASLP-EP-A0025 | ASCBT-EP-A0083* |
|---------------------|--------------------|----------------|---------------|-----------------|
| Elect. Maint. Supv. | X | X | | X |
| Emerg. Medical Team | X | | X | X |
| I&C Supv. | X | X | | X |
| Maint. Supt. | X | X | | X |
| Mech. Maint. Supv. | X | X | | X |
| NCHEM Manager | X | X | | X |
| OSC Director | X | X | | X |
| OSC HP Supv. | X | X | | X |
| Status Board Comm. | X | X | | X |

*Required every three years

Technical Support Center (TSC)

| | ASCBT/LEC-EP-ERORQ | ASDRL-EP-A0044 | ASCBT-EP-A0083* |
|---------------------|--------------------|----------------|-----------------|
| Engineering Manager | X | X | X |
| Eng. Support TSC | X | X | X |
| Maint. Manager | X | X | X |
| Notif. Communicator | X | X | X |
| Operations Mgr. | X | X | X |
| RP&RW Manager | X | X | X |
| TSC Director | X | X | X |
| TSC Support Supt. | X | X | X |
| Status Board Comm. | X | X | X |

*Required every three years



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| | ASLP-EP-OPSRQ | ASDRL-EP-SIMPI | ASLP-EP-A0025 | ASDRL-EP-A0044 |
|-----------------------|---------------|----------------|---------------|----------------|
| Shift Manager | X | X | | |
| Shift Engineer | X | X | | |
| SRO | X | | | |
| RO | | | X | |
| Status Board Comm. | | | | X |



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9.3 – GGNS Training Matrix

CONTROL ROOM

| Emergency Positions | PAT FFD FFDS * | RWT* | RRT FIT PHYS* | ESSENTIAL TRNG** | EP DRILL | EPTS 2 OPS ** | EPTS 3 | EPTS 25 | EPTS 6 | EPTS 7 | EPTS 19 | OTHER |
|------------------------|----------------|------|---------------|------------------|----------|---------------|--------|---------|--------|--------|---------|--------------------|
| Fire Brigade | X | X | X | X | | | | | | | | Fire Brigade Trng* |
| Operations Coordinator | X | X | X | X | | X | | | X | | X | |
| NLO/RWO | X | X | X | X | | | | X | | | | |
| RO | X | X | X | X | | X | | | X | | X | |
| Onshift Chemists | X | X | X | X | X | | X | | | X | | |
| SRO/STA | X | X | X | X | | X | | | X | | X | |
| Shift Manager | X | X | X | X | X | X | | | X | | X | |

ENMC/EIC

| Emergency Positions | PAT/FFD/FFDS* | ESSENTIAL TRNG** | FACILITY TRNG | EPDRILL | EPTS 23 | EPTS 14 | OTHER |
|---------------------------|---------------|------------------|---------------|---------|---------|---------|-------|
| Company Spokesperson | X | X | X | X | X | | |
| EIC Coordinator | X | X | X | X | X | | |
| EIC Staff | X | X | X | X | | X | |
| ENMC Clerical Coordinator | X | X | X | X | | | FW** |
| ENMC Clerical Staff | X | X | X | X | | | FW** |
| ENMC Manager | X | X | X | X | X | | |
| ENMC Support Staff | X | X | X | X | | | FW** |
| Media Monitor | X | X | X | X | | | FW** |
| Technical Spokesperson | X | X | X | X | X | | |



EMERGENCY OPERATIONS FACILITY

| Emergency Positions | PAT FFD FFDS* | RWT* | ESSENTIAL TRNG** | FACILITY TRAINING | EP DRILL | EPTS ? see below | EPTS 6 | EPTS 19 | OTHER |
|---|---------------------|------|---------------------|----------------------|-------------|---------------------|--------|---------|---|
| Accident Assessment Engineer | X | X | X | X | X | | | X | |
| Emergency Support Manager | X | X | X | X | X | EPTS 24 | | | |
| EOF Engineer Mechanical | X | X | X | X | X | | | | |
| EOF Engineer Support | X | X | X | X | X | | | | |
| EOF Engineer Electrical | X | X | X | X | X | | | | |
| EOF Engineer Civil | X | X | X | X | X | | | | |
| EOF Admin Director | X | X | X | X | X | EPTS 24 EPTS 25 | | | |
| EOF Communicator | X | X | X | X | X | EPTS 25 | | | |
| EOF Facility Coordinator | X | X | X | X | X | EPTS 24 | | | |
| EOF Habitability Specialist | X | X | X | X | X | EPTS 5 | | | Rad Monitor/ CAA Qualified or HP Qualified |
| Food & Lodging Coordinator | X | X | X | X | X | EPTS 24 | | | Background check and MMP1***, and Breatholizer Training * |
| Licensing Coordinator | X | X | | | | | | | |
| Offsite Emergency Coordinator | X | X | X | X | X | | X | X | |
| OEC Technical Assistant | X | X | X | X | X | | X | X | |
| Offsite Monitoring Team Driver | X | X | X | X | X | | | | RRT, FIT, PHYS* FW** |
| Offsite Monitoring Team Monitor | X | X | X | X | X | EPTS 5 | | | RRT, FIT, PHYS* |
| Offsite Technical Advisors | X | X | | | | | | | |
| Plume Tracking Specialist | X | X | X | X | X | EPTS 5 | | | |
| Radiation Emergency Manager | X | X | X | X | X | EPTS 3 | | X | |
| Radiological Assessment Coordinator | X | X | X | X | X | EPTS 3 | | | |
| Tech/Eng. Support Manager | X | X | X | X | X | EPTS 24 | | X | |
| Radiological Assessment Dose Calculator | X | X | X | X | X | EPTS 3 | | | |



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OPERATIONS SUPPORT CENTER

| Emergency Positions | PAT FFD FFDS* | RWT* | RRT FIT PHYS* | ESSENTIAL TRNG** | FACILITY TRAINING | EP DRILL | EPTS ? See Below | EPTS 9*** | EPTS 11 | CPR* | OTHER |
|---|---------------------|------|---------------------|---------------------|----------------------|----------------------|---------------------|--------------|---------|-----------|------------------|
| Chemistry Teams/On-call Chemist | X | X | X | X | X | On-call chemist only | EPTS 7 | | | | |
| First Aid Team (Elec., I&C) | X | X | X | X | X | | | X | | X | |
| First Aid Team (HP) | X | X | X | X | X | | | X or EMT | | X or CPRP | |
| Health Physics Coordinator | X | X | X | X | X | X | EPTS 16 | | | | EPTS 2** |
| Search and Rescue Team (Mech, Elec, I&C) | X | X | X | X | X | | | | X | | EPTS 2** FOR I&C |
| Damage Control, Repair, Re-entry and Recovery (Mech, Elec, I&C) | X | X | X | X | X | | | | X | | |
| On-call Health Physicist | X | X | X | X | X | X | EPTS 5 | | | | EPTS 2** |
| On-shift HPs | X | X | X | X | X | | EPTS 5 | | | | EPTS 2** |
| On-site Monitor | X | X | X | X | X | X | EPTS 5 | | | | |
| OSC Communicator | X | X | | X | X | | | | | | FW** |
| OSC Coordinator | X | X | X | X | X | X | EPTS 16 | | | | |
| OSC Planner | X | X | | X | X | | | | | | FW** |

SECURITY

| Emergency Positions | PAT/FFD/FFDS* | RWT* | RRT/FIT/PHYS* | EPTS ? See Below |
|-----------------------------|---------------|------|---------------|------------------|
| Security Contract Personnel | X | X | | EPTS 1 or 17 |
| Security Coordinator | X | X | | EPTS 17 |



TECHNICAL SUPPORT CENTER

| Emergency Positions | PAT FFD FFDS* | RWT* | RRT FIT PHYS* | ESSENTIAL TRNG** | FACILITY TRAINING | EP DRILL | EPTS 2 **OPS | EPTS ? See Below | EPTS 6 | EPTS 19 | OTHER |
|---|---------------|------|---------------|------------------|-------------------|----------|--------------|------------------|--------|---------|----------|
| Computer Engineer | X | X | | X | X | X | | | | | |
| Emergency Director | X | X | | X | X | X | X | | X | X | |
| Information Specialist | X | X | | X | X | X | | | X | X | |
| Radiation Protection Manager | X | X | | X | X | X | | EPTS 3 | | X | EPTS 2** |
| Records Document Manager | X | X | | X | X | X | | | | | FW** |
| Technical Manager | X | X | | X | X | X | X | | X | X | |
| TSC Communicator | X | X | | X | X | X | | EPTS 25 | | | |
| TSC Coordinator | X | X | | X | X | X | X | | X | X | |
| TSC Coordinator Assistant | X | X | | X | X | X | X | | X | X | |
| Engineer (Elec, Mech) | X | X | | X | X | X | | | | | |
| Radiological Assessment Dose Calculator | X | X | | X | X | X | | EPTS 3 | | | |
| ENS Communicator | X | X | | X | X | X | | EPTS 25** | | | |

KEY

* Required every 13 months

** Required one time only

***Required every 3 years



9.4- RBS Training Matrix

RBS Course Listing

| | |
|----------|---|
| *PAT | Plant Access Training |
| *RWT | Radworker Training |
| (1) | Essential Training |
| (2) | Facility Training |
| (3) | Notifications |
| (4) | Emergency Identifications and Classifications |
| (5) | Radiological Assessment and Protective Action Recommendations |
| (6) | Offsite Dose Calculations and Protective Action Recommendations |
| (7) | Radiological Monitoring |
| (8) | NEO/NCO Emergency Response Training |
| (9) | Management Control of Emergencies |
| (10) | Security |
| *(11) | Severe Accident Management Overview Training |
| *(12) | Severe Accident Phenomena/TSG Training |
| (13) | First Responders |
| Tabletop | Tabletop Training |
| Drill | Drill Participation |

*Governed by site procedures



RBS ERO TRAINING MATRIX - INITIAL TRAINING

CONTROL ROOM

See Course Listing.

| | PAT | RWT | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | Drill |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|
| OSS / CRS | • | • | • | | • | • | • | • | | | | | • | • | | |
| NCO | • | • | • | | | | | | | • | | | • | | | |
| NEO | • | • | • | | • | | | | | • | | | • | | | |

TECHNICAL SUPPORT CENTER (TSC)

See Course Listing.

| | PAT | RWT | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | Drill |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|
| Emergency Director / TSC Manager | • | • | • | • | | | | | | | • | | • | • | | • |
| Engineering | • | • | • | • | | | | | | | | | • | • | | |
| Ops. Support Coordinator | • | • | • | • | | • | | | | | | | • | • | | • |
| Maint. Support Coordinator | • | • | • | • | | | | | | | | | | | | |
| Rad. Protection Coordinator | • | • | • | • | | | • | | | | | | | | | • |
| Chem/Core Damage Coord | • | • | • | • | | | | • | | | | | • | • | | |
| Data Facility Coord. / Status Comm. | • | • | • | • | | | | | | | | | | | | |
| Admin. Coord. / Admin. Support | • | • | • | • | | | | | | | | | | | | |
| Communicator | • | • | • | • | • | | | | | | | | | | | |
| ENS Comm. / TSC/CR Comm. | • | • | • | • | | | | | | | | | | | | |
| Security Coordinator | • | • | • | • | | | | | | | | | | | | |

OPERATIONS SUPPORT CENTER (OSC)

See Course Listing.

| | PAT | RWT | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | Drill |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|
| OSC Director / OSC Manager | • | • | • | • | | | | | | | | | | | | • |
| Status Comm. / Admin. Support | • | • | • | • | | | | | | | | | | | | |
| SRPT / RP Technicians | • | • | • | • | | | | | • | | | | • | | | |
| Mech., Elect., & I&C Maintenance | • | • | • | • | | | | | | | | | • | | | |
| Chemistry Technicians | • | • | • | • | | | | • | • | | | | • | | | |
| First Responders | • | • | | | | | | | | | | | | | • | |
| Security | • | • | | | | | | | | | | • | | | | |



RBS ERO TRAINING MATRIX - REQUALIFICATION TRAINING

CONTROL ROOM

| | PAT | RWT | CLASSROOM | TABLETOP | DRILL |
|-----------|-----|-----|-----------|----------|-------|
| OSS / CRS | • | • | • | | |
| NCO | • | • | • | | |
| NEO | • | • | • | | |

OPERATIONS SUPPORT CENTER (OSC)

| | PAT | RWT | CLASSROOM | TABLETOP | DRILL |
|---------------------------------|-----|-----|-----------|----------|-------|
| OSC Director / OSC Manager | • | • | | • | • |
| Status Comm. / Admin. Support | • | • | | • | |
| SRPT / RP Technicians | • | • | • | | |
| Mech., Elect. & I&C Maintenance | • | • | | | |
| Chemistry Technicians | • | • | • | | |
| First Responders / Security | • | • | • | | |



TECHNICAL SUPPORT CENTER (TSC)

| | PAT | RWT | CLASSROOM | TABLETOP | DRILL |
|-------------------------------------|-----|-----|-----------|----------|-------|
| Emergency Director / TSC Manager | • | • | • | • | • |
| Reactor Engineer | • | • | | • | • |
| Mech & Elect. Eng. | • | • | | • | |
| Eng. Coord | • | • | | • | • |
| Ops. Support Coordinator | • | • | | • | • |
| Maintenance Support Coord. | • | • | | • | • |
| Radiation Protection Coord. | • | • | • | • | • |
| Chem/Core Damage Coord. | • | • | • | • | • |
| Data Facility Coord. / Status Comm. | • | • | | • | |
| Admin. Coord. / Admin. Support | • | • | | • | |
| Communicator | • | • | | • | • |
| ENS Communicator | • | • | | • | • |
| Security Coordinator | • | • | | • | |
| TSC/CR Communicator | • | • | • | | |



RBS ERO TRAINING MATRIX - REQUALIFICATION TRAINING

EMERGENCY OPERATIONS FACILITY (EOF)

| | PAT | RWT | CLASSROOM | TABLETOP | DRILL |
|--------------------------------------|-----|-----|-----------|----------|-------|
| Recovery Manager / EOF Manager | • | • | • | • | • |
| Rad. Prot. Advisor | • | • | • | • | • |
| Rad. Assess. Coordinator / Asst. RAC | • | • | • | • | • |
| Offsite Team Coordinator | • | • | | • | • |
| Operations Advisor | • | • | | • | • |
| Admin. Advisor / Admin. Support | • | • | | • | |
| Communicator | • | • | | • | • |
| Status Communicator | • | • | | • | |
| Technical Advisor | • | • | | • | • |
| HPN Communicator | • | • | | • | • |
| Eng. Support Advisor / Engineering | • | • | | • | |
| Telecommunications Spec. | • | • | | | |
| EOF Registration | • | • | | • | |



JOINT INFORMATION CENTER (JIC)

| | PAT | RWT | CLASSROOM | TABLETOP | DRILL |
|-------------------------------------|-----|-----|-----------|----------|-------|
| JIC Director / Media Liaison | • | | | • | • |
| Events Information Team | • | • | | • | • |
| Media Registration / Breezeway Reg. | • | | | • | |
| Audio/Visual | • | | | • | • |
| EOI Spokesperson | • | | | • | • |
| Rumor Control Coordinator | • | | | • | • |
| Offsite Coordinator Team | • | | | • | |
| News Release Team | • | | | • | • |
| Logistics Team / Phone Team | • | | | • | |
| Parish/State Liaison | • | | | • | |



9.5 – WF3 Training Matrix

CONTROL ROOM

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|--------------------------------------|-----|-----|------------------------|----------------------|----------------------|------|
| Operations Coordinator/Shift Manager | • | • | • | • | • | • |
| Control Room Supervisor | • | • | • | • | • | • |
| Nuclear Plant Operator | • | • | • | • | • | • |
| Operations Communicator | • | • | • | • | • | • |
| Shift Technical Advisor | • | • | • | • | • | • |
| Nuclear Auxiliary Operator | • | • | • | • | • | • |

OPERATIONS SUPPORT CENTER (OSC)

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|-----------------------------------|-----|-----|------------------------|----------------------|----------------------|------|
| OSC Supervisor | • | • | • | • | • | |
| OSC Supervisor Assistant | • | • | • | • | • | |
| OSC Electrical Lead | • | • | • | • | • | |
| OSC I & C Lead | • | • | • | • | • | |
| OSC Mechanical Lead | • | • | • | • | • | |
| Security Superintendent | • | • | • | • | • | |
| OSC Supervisor Communicator | • | • | • | • | • | |
| OSC I.T. Representative | • | • | • | • | • | |
| Radiological Controls Coordinator | • | • | • | • | • | |
| H.P. Monitoring Team | • | • | • | • | • | |
| Radwaste | • | • | • | • | • | |
| Assembly Area Supervisor | • | • | • | • | • | |
| Electrical Maintenance | • | • | • | • | • | |
| I & C Maintenance | • | • | • | • | • | |
| Mechanical Maintenance | • | • | • | • | • | |
| OSC Miscellaneous Support | • | • | • | • | • | |
| Chemistry | • | • | • | • | • | |



TECHNICAL SUPPORT CENTER (TSC)

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|---------------------------------------|-----|-----|------------------------|----------------------|----------------------|------|
| Emergency Coordinator | • | • | • | • | • | • |
| TSC Logkeeper | • | • | • | • | • | |
| TSC Supervisor | • | • | • | • | • | |
| TSC Supervisor Communicator | • | • | • | • | • | |
| Health Physics Coordinator | • | • | • | • | • | |
| Health Physics Coordinator Assistant | • | • | • | • | • | |
| Dose Assessment Coordinator | • | • | • | • | • | |
| Dose Assessment Coordinator Assistant | • | • | • | • | • | |
| Dose Assessment Communicator | • | • | • | • | • | |
| TSC Lead Communicator | • | • | • | • | • | |
| TSC Communicator (#1 & #2) | • | • | • | • | • | |
| ENS Communicator | • | • | • | • | • | |
| TSC Lead Engineer | • | • | • | • | • | • |
| TSC Electrical Engineer | • | • | • | • | • | • |
| TSC Mechanical Engineer | • | • | • | • | • | • |
| TSC Nuclear Engineer | • | • | • | • | • | • |
| TSC Chemistry Engineer | • | • | • | • | • | |
| TSC Status Board Keeper | • | • | • | • | • | |
| Offsite Technical Advisor | • | • | • | • | • | |



EMERGENCY OPERATIONS FACILITY (EOF)

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|---|-----|-----|------------------------|----------------------|----------------------|------|
| EOF Director | • | • | • | • | • | • |
| Deputy EOF Director | • | • | • | • | • | • |
| Operations/Engineering Coordinator | • | • | • | • | • | |
| Operations/Engineering Coordinator Assistant | • | • | • | • | • | |
| EOF Electrical Engineer | • | • | • | • | • | |
| EOF I & C Engineer | • | • | • | • | • | |
| EOF Mechanical Engineer | • | • | • | • | • | |
| EOF Nuclear Engineer | • | • | • | • | • | • |
| EOF Status Board Keeper | • | • | • | • | • | |
| Radiological Assessment Coordinator | • | • | • | • | • | |
| Radiological Assessment Coordinator Assistant | • | • | • | • | • | |
| Field Team Controller | • | • | • | • | • | |
| Dose Projection Coordinator | • | • | • | • | • | |
| Field Team Communicator | • | • | • | • | • | |
| Offsite Technical Advisor | • | • | • | • | • | |
| Offsite Technical Advisor Assistant | • | • | • | • | • | |
| Communications Coordinator | • | • | • | • | • | |
| EOF Communicator (#1,#2,#3) | • | • | • | • | • | |
| Entergy System Liaison | • | • | • | • | • | |
| Licensing Coordinator | • | • | • | • | • | |
| Administrative/Logistics Coordinator | • | • | • | • | • | |
| EOF Logkeeper | • | • | • | • | • | |
| Administrative Assistant – Training | • | • | • | • | • | |
| Administrative Assistant – General | • | • | • | • | • | |
| EOF Procurement Representative | • | • | • | • | • | |

OFFSITE REPS.

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|---|-----|-----|------------------------|----------------------|----------------------|------|
| St. Charles Parish Technical Representative | • | • | • | • | • | |
| St. John Parish Technical Representative | • | • | • | • | • | |
| State Technical Representative | • | • | • | • | • | |

OFFSITE ORGANIZATIONS

| | |
|---|--|
| Hahnville Volunteer Fire Depart | Training provided by Emergency Planning |
| Ochsner Hospital | Training provided by Emergency Planning |
| West Jefferson Hospital | Training provided by Emergency Planning |
| St. Charles Hospital Ambulance Service | Training provided by Emergency Planning |
| West Jefferson Hospital Med/Flight Crew | Training provided by Emergency Planning |
| Ochsner Hospital Med/Flight Crew | Training provided by Emergency Planning |
| Waterford 1 & 2 | Training provided by Waterford 1 & 2 personnel |

EMERGENCY NEWS CENTER (ENC)

| | PAT | RWT | ESSENTIAL PERSONNEL | FACILITY TRAINING | POSITION SPECIFIC | SAMG |
|--------------------------------------|-----|-----|------------------------|----------------------|----------------------|------|
| ENC Director | | | • | • | • | |
| Office Manager | | | • | • | • | |
| Logistics & Production Coordinator | | | • | • | • | |
| Logistics & Production Assistant | | | • | • | • | |
| Rumor Control Supervisor | | | • | • | • | |
| ENC Technical Spokesperson | | | • | • | • | |
| ENC Technical Spokesperson Assistant | | | • | • | • | |
| Media Monitoring/Response Supervisor | | | • | • | • | |
| Media Monitoring Assistant | | | • | • | • | |
| Media Response Assistant | | | • | • | • | |
| Government Affairs Coordinator | | | • | • | • | |
| ENC Secretary | | | • | • | • | |
| Audio Visual Operator | | | • | • | • | |



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| | | | | | | |
|------------------------------------|---|---|---|---|---|--|
| Offsite Agency Coordinator | | | • | • | • | |
| St. Charles PR Representative | | | • | • | • | |
| St. John PR Representative | | | • | • | • | |
| Corporate Emergency Center Manager | | | • | • | • | |
| Security | • | • | • | • | • | |