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May 27, 1993

U.S. Nuclear Regulatory Commission
Mail Station P1-37
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29
1993 Annual Emergency Preparedness Exercise
Objectives

GNRO-93/00066

Gentlemen:

Attached are the objectives for the August 1993 emergency preparedness exercise for the Grand Gulf Nuclear Station (GGNS). There will be participation by the States of Mississippi and Louisiana, Claiborne County and Tensas Parish emergency response organizations.

The Grand Gulf Nuclear Station 1993 Emergency Preparedness Exercise Program Objectives are based on the Nuclear Regulatory Commission's requirements delineated in 10CFR50.47 and 10CFR50 Appendix E, with additional guidance from NUREG-0654, FEMA, REP-1, Rev. 1.

If you have any questions regarding the attached objectives, or the exercise scenario being developed, please contact Mr. A. C. Morgan at (601) 437-2721.

alford
Yours truly,

CRH/JS/mtc
attachment: GGNS Emergency Preparedness Exercise Objectives
cc: (See Next Page)

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ASB/mtc

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GRAND GULF NUCLEAR STATION
EMERGENCY PREPAREDNESS EXERCISE

AUGUST 25-26, 1993

OBJECTIVES

A. PURPOSE

This document provides guidance for the conduct of the 1993 Emergency Preparedness Exercise at Grand Gulf Nuclear Station.

The scope of this exercise, with some exceptions, will endeavor to demonstrate by actual performance a number of primary emergency preparedness functions. At no time will the exercise be permitted to interfere with safe operations, and plant management may, at their discretion, suspend the exercise for any period of time necessary to assure this goal.

The August 25 exercise will include the appropriate notifications to Federal, State, Local and plant emergency personnel. Full participation by the states of Mississippi and Louisiana, Claiborne County and Tensas Parish is expected. Limited participation from plant personnel may be requested on August 26 to support an Ingestion Exposure Pathway Exercise for the State of Mississippi.

B. GENERAL OBJECTIVES

The Grand Gulf Nuclear Station 1993 Emergency Preparedness Exercise program objectives are based on the Nuclear Regulatory Commission requirements delineated in 10CFR50.47 and 10CFR50 Appendix E. Additional guidance is provided in NUREG-0654, FEMA, REP-1, Rev. 1.

The primary objective of the 1993 Emergency Preparedness Exercise is to evaluate the adequacy of the emergency response organization during a simulated accident occurring during normal working hours. The scope of the exercise is sufficient to test the following emergency response capabilities:

1. The ability of Emergency Response Organization to classify actual or simulated emergencies through the understanding of Emergency Action Levels (EAL) and Initiating Conditions.
2. The ability of the Emergency Response Organization to activate the station emergency plan and procedures.
3. The ability of the Emergency Response Organization to respond to an emergency, make proper and timely notifications through each emergency classification (Notification of Unusual Event, Alert, Site Area Emergency, General Emergency), and activate the emergency response facilities in an efficient and timely manner.

4. The adequacy, effectiveness, and proper utilization of emergency response facilities and their emergency response equipment (Control Room, OSC, TSC, EOF).
5. The ability of Emergency Response Organization to formulate and make protective action recommendations to protect station personnel and the general public based on plant parameters, in-plant and on-site field surveys, and/or off-site field monitoring information.
6. The ability of Emergency Response Organization to evaluate the source term and make dose projections based on plant parameters and field surveys.

C. SPECIFIC OBJECTIVES

The following specific objectives are broken down by emergency response facility or function. These objectives were used to develop an exercise scenario sufficient to realize the general objectives and provide an aid to drill observers evaluating the exercise.

1. Control Room

- a. Demonstrate the capability of the Control Room staff to classify emergencies in accordance with Emergency Action Levels and Initiating Conditions until the TSC is operational.
- b. Demonstrate the capability of the Control Room staff to notify the Federal, State and Local agencies in accordance with established protocols (Operational Hot Line (OHL), NRC Emergency Notification System (ENS)).
- c. Demonstrate the capability of the Control Room staff to activate the station emergency plan and make appropriate notifications to activate emergency response personnel during an emergency.
- d. Demonstrate the capability of the Control Room staff to communicate technical information to the Operations Support Center, Technical Support Center, Emergency Operation Facility, and the NRC.
- e. Demonstrate the ability of the Control Room staff to recognize operational symptoms and parameters indicative of degrading plant conditions.
- f. Demonstrate the ability of the Shift Superintendent and/or the Shift Supervisor to make timely and effective decisions to mitigate the consequences of the event and clearly demonstrate control of the response effort.
- g. Demonstrate the ability of the Control Room staff to adequately turn over control of the event upon activation of the Technical Support Center (TSC).

2. Operations Support Center (OSC)

- a. Demonstrate the capability of the appropriate staff to activate the OSC at the Alert emergency classification and be fully operational within approximately 1 hour after activation.
- b. Demonstrate the capability of the OSC coordinator to make timely and effective decisions and demonstrate clearly, effective command and control of the OSC and response teams.
- c. Demonstrate the capability of the OSC coordinator and OSC team leaders to organize, brief, and dispatch repair and corrective action teams in a timely manner.
- d. Demonstrate the capability of the health physics organization to maintain appropriate radiological controls throughout the course of the event.
- e. Demonstrate the ability of the OSC staff to communicate technical information with the Control Room, TSC, EOF and in-plant and on-site field teams.
- f. Demonstrate the ability to interact with the NRC Incident Response Team.

3. Technical Support Center (TSC)

- a. Demonstrate the capability of the appropriate staff to activate the TSC at the Alert emergency classification and be fully operational within approximately 1 hour after activation.
- b. Demonstrate the capability of the Emergency Director to make timely and effective decisions and demonstrate clearly, effective command and control of the TSC response effort.
- c. Demonstrate the ability of the TSC staff to communicate technical information with the Control Room, OSC, EOF and NRC.
- d. Demonstrate the ability of the TSC staff to notify the Federal, State and Local agencies in accordance with established protocols (OHL, ENS)
- e. Demonstrate the ability of the TSC staff to evaluate the source term and make dose projections based on plant parameters, meteorological data, or other simulated information made available by the exercise controllers.
- f. Demonstrate the ability to interact with the NRC Incident Response Team.

4. Emergency Operations Facility (EOF)

- a. Demonstrate the capability of the appropriate staff to activate the EOF at the Site Area Emergency classification or sooner and be fully operational within 1 hour after activation.
- b. Demonstrate the ability of the Offsite Emergency Coordinator to assume control of the event from the TSC staff, make timely decisions, and demonstrate clearly, effective command and control of the emergency response effort.
- c. Demonstrate the ability of the EOF staff to notify the Federal, State and Local levels of government in accordance with established protocols (OHL, ENS)
- d. Demonstrate the ability of the EOF staff to communicate technical information with the Control Room, OSC, TSC, ENMC, NRC and off-site agencies.
- e. Demonstrate the ability of the EOF staff to evaluate the source term and make dose projections based on plant parameters, on-site/off-site field survey information, meteorological data, or other simulated information made available by the exercise controllers.
- f. Demonstrate the ability of the EOF staff to make appropriate protective action recommendations to protect station personnel and the general public based on plant parameters, in-plant and on-site field surveys and/or off-site monitoring information.
- g. Demonstrate the ability to interact with the NRC Incident Response Team.

5. Off-site Monitoring Teams (OMT)

- a. Demonstrate the ability to mobilize Off-site Monitoring Teams within the required time limits of the GGNS Emergency Plan, Table 5-1.
- b. Demonstrate the ability of the Off-site Monitoring Teams to obtain radiation data, collect potentially radioactive contaminated air samples and determine Iodine concentration.
- c. Demonstrate the ability of the Off-site Monitoring Teams to communicate location and radiological field data to the EOF.

6. Security

- a. Demonstrate the ability of the security force to control site access and the protected area evacuation as directed by the emergency director.
- b. Demonstrate the ability of the security force to conduct accountability as necessary.

7. Emergency News Media Center (ENMC)

- a. Demonstrate the capability of the appropriate staff to activate the ENMC at the Site Area Emergency classification or sooner.
- b. Demonstrate the ability of the ENMC staff to communicate with the EOF.
- c. Demonstrate the ability of the ENMC to coordinate and assemble timely and accurate information at the ENMC.
- d. Demonstrate the capability of the ENMC to disseminate emergency information to the media and/or public (briefings, written statements) in a timely manner.
- e. Demonstrate the ability of the ENMC to respond to technical inquiries during media briefings.
- f. Demonstrate the ability to interact with the NRC Incident Response Team.

8. Emergency Information Center (EIC) / Media Monitor (MM)

- a. Demonstrate the capability of the EIC to respond directly to questions from the media and/or public concerning real or rumored events at GGNS.
- b. Demonstrate the capability of the EIC/MM to identify rumors and correct false information concerning events at GGNS.

9. Activities not Demonstrated

- a. Actual PASS samples will not be drawn.¹
- b. ERF's will not be evacuated.
- c. Backup ERFs will not be activated.
- d. Corrective action teams will not manipulate any plant systems or components.
- e. Actual decontamination of vehicles and personnel will not be demonstrated.
- f. Medical team response and transportation will not be demonstrated.¹
- g. SCBA's will be worn but will not be utilized.
- h. Shift turnover will not be demonstrated.

¹ Requirement demonstrated through separate drills.