

# The Light company

Houston Lighting & Power South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

April 26, 1991  
ST-HL-AE-3754  
File No.: G9.8  
10CFR50.47

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

South Texas Project Electric Generating Station  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
1991 Graded Emergency Preparedness Exercise

Attached for your review and comment are the objectives for the August 21, 1991, Graded Emergency Preparedness Exercise at the South Texas Project Electric Generating Station. Copies of the scenario will be forwarded at a later date.

These objectives have been held in strict confidence within Houston Lighting & Power (HL&P) to ensure that the players for the graded exercise are not aware of its contents. HL&P requests the NRC consider the attachment as proprietary information pursuant to 10CFR2.790 until after the graded exercise on the basis that public disclosure prior to the exercise could bias the results of the exercise.

If you should have any questions, please contact Mr. V. A. Simonis at (512) 972-8330 or me at (512) 972-7205.

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Attachment: August 21, 1991, Graded Emergency  
Preparedness Exercise Objectives

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A Subsidiary of Houston Industries Incorporated

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NOTE: The above copies distributed without the attachment, except as  
noted by asterisk (\*).

Revised 01/29/91

1991 GRADED EXERCISE  
OBJECTIVES

ATTACHMENT 1  
ST-HL-AE-3754  
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OBJECTIVES

The 1991 Graded Exercise will be conducted to demonstrate the ability of the South Texas Project Electric Generating Station (STPEGS) to effectively implement the Radiological Emergency Response Plan, to ensure the protection of the Public health and safety in the event of a major accident and to provide training for the Emergency Response Organization. Accordingly, the following objectives have been developed.

A. ASSESSMENT AND CLASSIFICATION

- 1) Demonstrate the ability to assess initiating conditions which warrant Emergency Classification.
- 2) Demonstrate the ability to determine which Emergency Action Levels (EALs) are applicable for the existing plant conditions and properly classify the emergency.

B. NOTIFICATION AND COMMUNICATIONS

- 1) Demonstrate the ability to correctly complete the Offsite Agency Notification Form.
- 2) Demonstrate the ability to complete notifications to State and local Agencies within fifteen (15) minutes of declaring an Emergency Classification.
- 3) Demonstrate the ability to correctly complete NRC Form 361, Event Notification Worksheet.
- 4) Demonstrate the ability to notify the NRC immediately after the State and local Agencies and not later than one (1) hour of the Emergency Classification.
- 5) Demonstrate the ability to periodically (approximately hourly) update State and local Agencies.
- 6) Demonstrate the capability to identify and request support from organizations capable of providing assistance with critical plant problems.
- 7) Demonstrate the capability to maintain an open-line of communication on the ENS if requested by the NRC.
- 8) Demonstrate the capability to maintain an open-line of communication on the HPN if requested by the NRC.

B. NOTIFICATION AND COMMUNICATIONS (Con't)

- 9) Demonstrate the ability to periodically (at least hourly) update the NRC.
- 10) Demonstrate the ability to notify ERO personnel via pager, autodialer or Public Address to activate.
- 11) Demonstrate the ability to requisition, acquire and transport emergency equipment and supplies needed to support the plant emergency response.
- 12) Demonstrate the effective communications between Emergency Facilities.

C. EMERGENCY FACILITIES

- 1) Demonstrate the ability to staff and activate the onsite Emergency Response Facilities within sixty (60) minutes of the declaration of an Alert Emergency Classification.
- 2) Demonstrate the ability to partially staff the EOF within sixty (60) minutes of the Alert Classification.
- 3) Demonstrate the ability to staff and activate the Emergency Operations Facility within one (1) hour of the declaration of a Site Area Emergency or General Emergency Classification.
- 4) Demonstrate the ability to staff and activate the MIC within four (4) hours of the Alert Emergency Classification.
- 5) Demonstrate the ability to maintain correct and current information on Status Boards.

D. EMERGENCY DIRECTION AND CONTROL

- 1) Demonstrate the ability to transfer Emergency Direction Authority from the Control Room to the TSC and the TSC to the EOF.
- 2) Demonstrate the ability to prioritize Emergency Response activities.
- 3) Demonstrate the ability to properly brief and dispatch the Environmental Field Teams.
- 4) Demonstrate the ability to direct Environmental Field teams activities.
- 5) Demonstrate the ability to control access to the Owner Controlled Area and the Protected Area

D. EMERGENCY DIRECTION AND CONTROL (Con't)

- 6) Demonstrate the ability to coordinate emergency response information with the State of Texas and the BRC.
- 7) Demonstrate the ability of Emergency Response Facility Management to provide briefings on activities in progress.
- 8) Demonstrate the ability to coordinate and effectively interface with State and NRC representatives assigned to the onsite Emergency Facilities.
- 9) Demonstrate the ability to form, brief, dispatch and debrief Emergency Response Teams.
- 10) Demonstrate the ability to adequately prepare and brief personnel for entry into very high radiation areas.
- 11) Demonstrate the ability to maintain periodic contact with Emergency Response Teams to provide updates of plant conditions and receive status of Team activities.
- 12) Demonstrate the ability to maintain Accountability of personnel assigned to Emergency Response Facilities.

E. RADIOLOGICAL ASSESSMENT, PROTECTIVE ACTIONS AND ENVIRONMENTAL MONITORING

- 1) Demonstrate the ability to identify and trend important plant radiological data.
- 2) Demonstrate the ability to collect and document all radiological surveys taken.
- 3) Demonstrate the ability to take appropriate protective actions for onsite personnel.
- 4) Demonstrate the ability to assemble and account for all personnel inside the Protected Area within thirty (30) minutes of sounding the Assembly Alarm.
- 5) Demonstrate the ability to issue and administratively control dosimetry.
- 6) Demonstrate the ability to establish radiological controls in the Emergency Response Facility.
- 7) Demonstrate the ability to conduct habitability surveys in the Emergency Response Facility.



E. RADIOLOGICAL ASSESSMENT, PROTECTIVE ACTIONS AND ENVIRONMENTAL MONITORING (Con't)

- 8) Demonstrate the ability to monitor, track and document radiation exposure for Emergency Response personnel.
- 9) Demonstrate the ability to perform Offsite Dose Projections.
- 10) Demonstrate the ability to determine appropriate Protective Action Recommendations (PARs) for the public and to notify offsite authorities within 15 minutes.
- 11) Demonstrate the ability to modify PAR's due to wind shifts or changes in source term and notify offsite authorities within 15 minutes.
- 12) Demonstrate the ability to perform decontamination of radioactively contaminated individuals.
- 13) Demonstrate the ability to collect Reactor Coolant System (RCS) and/or Containment Atmosphere samples using the Post Accident Sample System (PASS).
- 14) Demonstrate the ability to analyze RCS and Containment Atmosphere samples.
- 15) Demonstrate the ability to perform Core Damage Assessment.
- 16) Demonstrate the ability to collect field samples in accordance with Environmental Sampling procedures.
- 17) Demonstrate the ability to perform field sample analysis in accordance with Environmental Sampling procedures.
- 18) Demonstrate the ability to document, and assess field sample results.

F. FIRST AID ACTIONS

- 1) Demonstrate the ability to respond to a contaminated and injured person.
- 2) Demonstrate the ability to properly coordinate First Aid activities with simulated offsite responders (i.e., ambulance crews and hospitals).

G. RELOCATION OBJECTIVES

- 1) Demonstrate the ability to identify and designate essential personnel at the assembly areas.
- 2) Demonstrate the ability to coordinate a site evacuation and interface with offsite authorities.

H. PUBLIC INFORMATION

- 1) Demonstrate the ability to effectively respond to media requests with correct information.
- 2) Demonstrate the ability to coordinate information with non-HL&P MIC representatives in preparation for Media Briefings.
- 3) Demonstrate the ability to prepare and issue accurate Press releases in a timely manner.
- 4) Demonstrate the ability to quickly notify the media of fast breaking significant events and provide timely follow-ups.
- 5) Demonstrate the ability to effectively use visual aids to support Media Briefing information.

I. RECOVERY

- 1) Demonstrate the ability to identify the criteria to enter a Recovery Classification and obtain concurrence with the State and NRC to enter Recovery.
- 2) Demonstrate the ability to develop a list of repair activities and required resources necessary for the recovery effort.
- 3) Demonstrate the ability to interface with, and coordinate planning for the recovery effort with the State and NRC.

J. CONDUCT OF THE EXERCISE

- 1) Demonstrate the ability to perform all actions as realistically and to the fullest extent possible within the listed limitations of the Exercise.
- 2) Demonstrate the ability to conduct a post exercise critique.

K. STATE AND LOCAL OBJECTIVES\*\*

- 1) Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions. (FEMA objective 2)

K. STATE AND LOCAL OBJECTIVES (Con't)\*\*

- 2) Demonstrate the ability to communicate with all appropriate locations, organizations, and field personnel. (FEMA objective 4)
- 3) Demonstrate the ability to continuously monitor and control emergency worker exposure. (FEMA objective 6)
- 4) Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured or exposed individuals. (FEMA objective 23)
- 5) Demonstrate the adequacy of medical facility's equipment, procedures, and personnel for handling contaminated, injured, or exposed individuals. (FEMA objective 24)

\*\* FEMA objectives 2, 4, 6, 23, and 24 will be demonstrated during the annual offsite medical exercise which will be conducted at a different time.