TJC

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUN 4 1981

Docket No.: 50-466

Mr. J. H. Goldberg
Vice President
Nuclear Engineering and Construction
Houston Lighting & Power Company
P. O. Box 1700
Houston, Texas 77001

Dear Mr. Goldberg:

We have completed our review of your emergency plan which was submitted in Amendment 55 to the Preliminary Safety Analysis Report. Your plan was reviewed against the requirement of 10 CFR Part 50, Appendix E, the final rule on emergency planning as it applies to construction permit applications and against the criteria, as applicable, of NUREG-0654; FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".

Our review has indicated that additional information is required before we can conclude that the commitments made in the emergency plan will be completed satisfactorily at the operating license stage. Our requests for additional information are enclosed.

Sincerely,

R Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosure:
As stated

8106180 438

Mr. J. H. Goldberg
Vice President
Nuclear Engineering and Construction
Houston Lighting & Power Company
P. O. Box 1700
Houston, Texas 77001

cc:
R. Gordon Gooch, Esq.
Baker & Boots
1701 Pennsylvania Avenue, N. W.
Washington, DC 20006

J. Gregory Copeland, Esquire
Lowenstein, Newman, Reis & Axelrad
1025 Connecticut Avenue, N. W.
Washington, D. C. 20036

Mr. P. A. Horn
Project Manager, ACNGS
Houston Lighting & Power Company
P. O. Box 1700
Houston, Texas 77001

Mr. Ray Matzelle
Project Manager, ACNGS
Ebasco Services, Inc.
19 Rector Street
New York, New York 10005

Mr. Ray Lebre
Project Manager, ACNGS
General Electric
175 Kurtner Avenue
San Jose, California 95125

Susan Plettman, Esquire
David Preister, Esquire
Texas Attorney General's Office
P. O. Box 12548
Captiol Station
Auston, Texas 78711

Mr. and Mrs. Robt. S. Framson
4822 Waynesboro Drive
Houston, Texas 77035

Mr. F. H. Potthoff, III
1814 Pine Village
Houston, Texas 77080

D. Marrack
420 Mulberry Lane
Bellaire, Texas 77401

Mr. Wayne Rentfro
P. O. Box 1335
Rosenberg, Texas 77471

Rosemary N. Lemmer
11423 Oak Spring
Houston, Texas 77043

Leotis Johnston
1407 Scenic Ridge
Houston, Texas 77403

Mr. William J. Schuessler
5810 Darnell
Houston, Texas 77043

Margaret & J. Morgan Bishop
11418 Oak Spring
Houston, Texas 77043

Stephen A. Doggett, Esq.
Pollan Nicholson & Doggett
P. O. Box 592
Rosenberg, Texas 77471

Bryan L. Baker
1923 Hawthorne
Houston, Texas 77098

Robin Griffith
1034 Sally Ann
Rosenberg, Texas 77471

Mr. William Perrenod
4070 Merrick
Houston, Texas 77025

Carolina Conn
1414 Scenic Ridge
Houston, Texas 77043

Ms. Carro Hinderstein
8739 Link Terrace
Houston, Texas 77025

James Scott, Jr., Esq.
Texas Public Interest Research Group, Inc.
Box 237 UC
University of Houston
Houston, Texas 77004

Ms. Brenda A. McCorkle
6140 Darnell
Houston, Texas 77074

Mr. John F. Doherty
4327 Alconbury Street
Houston, Texas 77021

U. S. Nuclear Regulatory Commission, Region IV
Office of Inspection and Enforcement
611 Ryan Plaza Drive
S ite 1000
Arlington, Texas 76011

Mr. C. G. Robertson
Manager, Nuclear Licensing
Houston Lighting & Power Company
P. O. Box 1700
HOuston, Texas 77001

ENCLOSURE

REQUESTS FOR ADDITIONAL INFORMATION
ALLENS CREEK EMERGENCY PLAN

Q NO. (PSAR SECTION)	REQUEST
1 (13.3.2)	Discuss your proposed onsite emergency organization in relation to the minimum staffing and augmentation criteria of NUREG-0654, Table B-1. Identify any constraints to meeting these criteria.
2 (13.3.2)	Provide a block diagram to identify the interfaces between and among the onsite functional areas of emergency activity, headquarters support, local services support, and also the interfaces with State and local government response organizations.
3 (13.3.3)	Discuss your emergency classification and action level scheme in relation to the emergency action level guidelines given in NUREG-0654, Appendix 1. Provide assurance that State and local response plans will call for reliance on information provided by the plant staff for determination of initial offsite response measures.
4 (13.3.4)	Describe the system proposed to alert and provide an information message to the public in the plume exposure EPZ within 15 minutes in accordance with the guidance of NUREG-0654, Appendix 3. Discuss the provisions for special populations such as schools, transients and boaters in nearby recreational areas.

Q NO. (PSAR SECTION)	REQUEST
5 (13.3.4)	Discuss the planned public information program and the provisions for the dissemination of information on protective actions in the event of an emergency to the public, including transient populations, within the plume exposure EPZ.
6 (13.3.5)	Specify the locations and physical layout of the planned first aid and personal decontamination facilities.
7 (13.3.6)	Provide additional detail on how you intend to monitor the area within and outside the site boundary and to estimate and project radiation doses.
8 (13.3.6)	Describe the methodology to determine offsite protective action recommendations including reliance on confirmatory measurements, anticipated radiological consequences based on plant conditions, use of evacuation time estimates, use of protection factors for homes, schools, etc., and consideration of special populations and facilities.
9 (13.3.6)	Indicate the capability for remote interrogation of meteorological data and dose information.

Q. NO. (PSAR SECTION)	REQUEST
10 (13.3.7)	Provide additional information on emergency planning for the nearby Allens Creek Lake and State Park. Discuss prompt alerting and notification procedures for recreational visitors and boaters in the park during both daytime and nighttime situations and the impact on the evacuation time estimates given in Appendix 13.3.B. Discuss how educational information will be disseminated to the transient park population. Describe the training program envisioned for park attendants and other personnel relied upon in the response plan.
11 (App. 13.3.B)	Provide the population data used to develop the evacuation time estimates. The data should be presented in the same (rose) format as the automobile data and should show the permanent population and various transient population groups.
12 (APP. 13.3.B)	Provide the basis for the automobile occupancy factors used in the study. Do all households have access to automobiles? Are there any members of the public dependent on public transportation?

Q. NO. (PSAR SECTION)	REQUEST
13 (App. 13.3.B)	Provide a map of the plume exposure EPZ which shows the location of the special facilities, the Allens Creek Lake and State Park, and other recreational areas.
14 (App. 13.3.B)	In certain scenarios it is assumed that traffic near the site exits via a proposed bridge over Route 36. Discuss the rationale for this assumption and provide an evaluation of the impact on the evacuation times if the bridge is not available.
15 (App. 13.3.B)	Provide estimates of the evacuation times for the special facilities within the plume exposure EPZ on an institution-by-institution basis. Discuss the means of transportation, the availability of such transportation, and the impact on the evacuation time estimates.
16 (App. 13.3.B)	Discuss the use of alternative protective actions at special facilities. This should include the shelter factors assumed, the evacuation times for these facilities, and a discussion of how the protective actions to be recommended for these facilities will be determined.

Q. NO. (PSAR SECTION)	REQUEST
17 (App. 13.3.B)	Provide the roadway characteristics as described in NUREG-0654, Appendix 4.III.
18 (App. 13.3.B)	Provide a general description of the algorithms used in the NETSIM computer model or a reference to a description of the model which was used to develop the evacuation time estimates. Also, provide further information and results of validation studies done of the NETSIM model.

REQUEST FOR ADDITIONAL INFORMATION

ALLENS CREEK EMERGENCY PLAN

Q No. (PSAR SECTION)	
19 (App. 13.3.B)	Estimate evacuation times using reduced roadway capacity under adverse conditions.
20 (App. 13.3.B)	Evaluate the need for special traffic control at any identified bottleneck locations.