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Docket No.: 50-382

Mr. L. V. Maurin
Vice President - Nuclear Operations
Louisiana Power and Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

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Dear Mr. Maurin:

Subject: Request for FSAR Revision for Hazardous Chemicals

The NRC staff has reviewed the chemical explosion and fire that occurred during the early morning hours of December 11, 1982 at the Union Carbide plant located in Taft, Louisiana about 2 miles from Waterford 3.

Our review of the event indicates that there were at least two chemicals (acrolein and acrylic acid) stored in significant quantities at the Union Carbide site, neither of which appear in the list of hazardous chemicals in the Waterford Unit 3 FSAR (Table 2.2-4). Specifically, the explosion appears to have involved one or two 45,000 gallon acrolein tanks with an additional three acrolein tanks and three acrylic acid tanks nearby being threatened by the ensuing 16 hour fire. In view of the above, we request that the current hazardous chemical listing in the FSAR be updated to include all significant quantities of hazardous chemicals near the site. Any additions to the listing should be evaluated to ensure that the consequences of any accident involving these hazardous chemicals is within the design basis envelope for Waterford 3. This information should be provided in an amendment to the FSAR prior to issuance of the OL.

In recognition of the multitude of chemicals that are handled or stored near the Waterford Unit 3 site, the staff has previously concluded that there is a need for several diverse means of protection against potential toxic gas releases. Several methods were outlined in Section 2.2-1 of Supplement 1 to the Waterford 3 Safety Evaluation Report (NUREG-0787). In particular, one measure involves a periodic survey of the industrial and transportation activities in the area. The intent is to maintain an awareness of any significant chemical feedstock or product changes which may dictate modifications in the existing toxic gas protection features. We will include this requirement in the Waterford 3 Technical Specifications.

Sincerely,

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PDR ADOCK 05000382
F PDR

Thomas M. Novak, Assistant Director
for Licensing
Division of Licensing

OFFICE	ec: See next page	DL:LB#3 JWilson/yt	DL:LB#3 GWKnighton	DL:ADL TMNovak		
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Mr. L. V. Maurin
Vice President - Nuclear Operations
Louisiana Power and Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

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Subject: Request for FSAR Revision for Hazardous Chemicals

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Sincerely,

Thomas M. Novak, Assistant Director
for Licensing
Division of Licensing

OFFICE	cc: See next page	DL:LB#3 JWilson/yt 2/7/83	DL:AKS GWNighton 2/7/83	DL:AD/L TMNovak 2/7/83		
SURNAME						
DATE						

WATERFORD

Mr. L. V. Maurin
Vice President - Nuclear Operations
Louisiana Power & Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

cc: W. Malcolm Stevenson, Esq.
Monroe & Lemann
1423 Whitney Building
New Orleans, Louisiana 70130

Regional Administrator-Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76012

Mr. E. Blake
Shaw, Pittman, Potts and Trowbridge
1800 M Street, NW
Washington, DC 20036

Mr. Gary L. Groesch
2257 Bayou Road
New Orleans, Louisiana 70119

Mr. F. J. Drummond
Project Manager - Nuclear
Louisiana Power & Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

Mr. D. B. Lester
Production Engineer
Louisiana Power & Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

Luke Fontana, Esq.
824 Esplanade Avenue
New Orleans, Louisiana 70116

Stephen M. Irving, Esq.
535 North 6th Street
Baton Rouge, Louisiana 70802

Resident Inspector/Waterford NPS
P. O. Box 822
Killona, Louisiana 70066

Dr. D. C. Gibbs
Middle South Service, Inc.
P. O. Box 61000
New Orleans, Louisiana 70161