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Docket No.: 50-382

Mr. L. V. Maurin
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142 Delaronde Street
New Orleans, Louisiana 70174

LB#3 Reading

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JWilson

ELJordan, IE

JMTaylor, IE

Turk, OELD

ACRS (16)

DMuller

WRegan

KCampe

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 ADDCK 05000382
F PDR

Thomas M. Novak, Assistant Director
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Division of Licensing

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Docket No.: 50-382

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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 31, 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. This information should be provided in an amendment to the FSAR prior to issuance of the OL.

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Sincerely,

Thomas M. Novak, Assistant Director
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WATERFORD

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