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Docket Nos. 50-458/459

Mr. William J. Cahill, Jr.
Senior Vice President
River Bend Nuclear Group
Gulf States Utilities Company
Post Office Box 2951
Beaumont, Texas 77704
ATTN: Mr. J. E. Booker

Dear Mr. Cahill:

Subject: Control Room Habitability for River Bend Station Units 1 & 2

As a part of the staff's continuing review of your application for an operating license for River Bend Station, we requested information (Question 311.8) concerning the barge shipments of ammonia compounds past the River Bend Station site. Additionally, FSAR Amendment No. 7 dated February 1983, indicates that you have revised the original control room ventilation system detection instrumentation to no longer include chlorine detection. Using the information presented in FSAR Section 2.2 on off-site storage and/or shipment of ammonia compounds and chloride, the staff performed a scoping study to estimate the maximum toxic gas concentrations which could be expected at the control room air intake. Based upon the enclosed results of this study, it is the position of the staff that prior to fuel loading, redundant ammonia and chloride detectors are required in the control room normal ventilation system intakes and that these detectors are to function to automatically isolate the control room upon detection of either of these gases. Your response to this position is requested by September 1, 1983.

If you have any questions on this topic, please contact Project Manager, Edward Weinkam.

Sincerely,

*Original Signed By:
A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
As stated

cc w/enclosure:

See next page

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DATE

RIVER BEND OFF-SITE TOXIC GASES SCOPING STUDY

June 17, 1983

A scoping study using the TOXCHM program indicates the following maximum concentrations of toxic gas concentrations at the control room air intake from the various sources of toxic gases being stored or transported near the site.

<u>Location</u>	<u>Toxic Material</u>	<u>Maximum Concentration</u>	<u>Time above Toxicity Limits</u>
Road 3200 meters	1000 lbs Chlorine	300 X Toxicity Limit	2.26 Hrs
Cajun Elect. Plant 4600 meters	90 tons Chlorine	30,000 X Toxicity Limit	> 4 Hrs
Crown Zellerbach 4800 meters	1000 tons Chlorine	1.48×10^5 X Toxicity Limits	> 3 Hrs
Barge 3000 meters	125 tons Anhydrous Ammonia	2.2×10^4 X Toxicity Limits	> 6 Hrs

OFFICE ▶
SURNAME ▶
DATE ▶

River Bend

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