

APR 04 1985

Docket Nos. 50-498/499

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MEMORANDUM FOR: George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

FROM: George Lear, Chief
Structural and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: RESPONSE TO [REDACTED] CONTENTION 4 ON THE SOUTH TEXAS PROJECT

The thrust of [REDACTED] contention 4 is that the magnitude of wind loadings used in the design of the South Texas Project (STP) Category I structures is not adequate. The NRC Meteorology and Effluent Treatment Branch has determined that the magnitude of wind loadings used for the design of STP Category I structures is adequate. In a memorandum from W. P. Gamill to G. W. Knighton, dated March 26, 1985.

The contention further alleges that non-Category I structures, if damaged by hurricanes, would become missiles which could penetrate Category I structures. This allegation is groundless because Section 3.5 of the STP FSAR has described that Category I structures are either designed to withstand the impact of tornado-generated missiles, which is greater than hurricane-generated missiles, or they were assessed by probabilistic studies to have negligible safety impact due to these missiles. Therefore, we believe that this allegation should be dismissed. We would like to call your attention that the review of probabilistic studies for missiles belongs to Auxiliary Systems Branch and does not belong to Structural and Geotechnical Engineering Branch. This memorandum is prepared by J. S. Ma and he can be reached at x28473.

George Lear, Chief
Structural and Geotechnical
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