

October 26, 1981

Dockets: 50-498  
50-499

Houston Lighting & Power Company  
ATTN: Mr. G. W. Oprea, Jr.  
Executive Vice President  
Post Office Box 1700  
Houston, Texas 77001

Gentlemen:

Thank you for your letter of September 8, 1981, submitting your "Final Report Concerning Beam to Column Connection Design in the Reactor Containment Building." From our review of the submitted report, we find that you have not provided sufficient information to permit analysis and evaluation of the corrective action as required by 10 CFR Part 50.55(3). Specifically, since the finalization of specific design loads, the completion of the reanalysis, and the completion of the redesign and modification efforts have not been completed, your report lacks finality, in that it does not include the results of the as yet to be completed actions. This lack of detail is brought to light in the following example. You state that since the internal steel columns were designed initially to carry only vertical and local eccentric loads, the horizontal seismic loads will be transferred to the Secondary Shield wall and the concrete floors. It is not clear whether the design of the Secondary Shield wall or the floors will be affected by the imposition of the additional loads. The same question arises from the proposed application of the Reactor Containment Fan Cooler Duct Design Pressure Load to the Secondary Shield wall.

Your final report, in addition to addressing the proposed modifications, should state the scope of the design error, the design inputs which have finally been considered and the resultant stresses and safety margins which have been assured. Specific design calculations and modification details should remain available for review by this office during a follow-up inspection.

Sincerely,

"Original Signed by"  
W. C. SEIDLE"

W. C. Seidle, Chief  
Engineering Inspection Branch

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OFFICE	EMS	EMS	PS-3	RPB	EIB	IES	DB-RIV
SURNAME	JITapia/nh	REHall	WACrossman	GLMadsen	WCSeidle	JEGagliardo	ATCollins
DATE	10/5/81	10/6/81	10/4/81	10/6/81	10/6/81	10/23/81	10/26/81

Houston Lighting and Power  
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Texas Dept. of Health Resources  
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