



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

OCT 03 1978

Docket Nos. 50-373  
and 50-374

Mr. L. O. Del George  
Nuclear Licensing Administration  
Boiling Water Reactors  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

Dear Mr. Del George

SUBJECT: ADDITIONAL INFORMATION REQUEST FOR LA SALLE COUNTY  
STATION, UNITS 1 & 2

In our telecon of September 26, 1978, we indicated to you that we required additional information in order that we may complete our review on La Salle County Station, Units 1 & 2 in the structural area. Enclosed is the required information requested.

Sincerely,

*Olan D. Parr*  
Olan D. Parr, Chief  
Light Water Reactors Branch No. 3  
Division of Project Management

Enclosure:  
As stated

cc w/enclosure:

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ENCLOSURE

LA SALLE COUNTY STATION  
DOCKET NOS. 50-373 AND 50-374  
STRUCTURAL ENGINEERING BRANCH  
REQUEST FOR INFORMATION

130.22 Analyze the plant structures using the half space method (frequency independent compliance functions) employing current R.G. 1.60 and 1.61 criteria for the Safe Shutdown Earthquake. Show the floor response spectra, seismic forces (shear and moment) and deflections for all seismic Category I structures and compare to current corresponding quantities. If calculated results based on R.G. 1.60 and 1.61 are greater than the current response, assess the safety significance of the differences in response. If the results are less than those obtained using the S & L soil-structure interaction approach, analyze the plant structures using the S & L method with R.G. 1.60 and 1.61 and assess the safety significance of the differences in response. For either case, both upper and lower bound soil properties should be included.

For the containment, floor response spectra (at 2% and 5% damping) should be provided at the operating floor, reactor stabilizer level, reactor vessel support, divider barrier, base mat, and the refueling hatch. For other seismic Category I structures, floor response spectra (at 2% and 5% damping) should be provided at the base mat, an intermediate elevation and an upper elevation.