

AUG 20 1970

J. P. O'Reilly, Chief, Reactor Inspection & Enforcement Branch, CO
THRU: H. R. Denton, Chief, Technical Support Branch, CO

FLORIDA POWER AND LIGHT COMPANY - TURKEY POINT 3
DOCKET NO. 50-250

As discussed with you and Bill Seidle, we have made arrangements with the U. S. Army, Construction Engineering Research Laboratory, at Champaign, Illinois, for an analysis of concrete samples from the Turkey Point containment. Our contacts there are Mr. Lotz, Chief, Materials Branch, Dr. Berkerimer, Specialist in Concrete Materials and Dr. Lott, Specialist in Fracture Mechanics in Concrete.

Our objective is to examine the test samples of the spalled concrete to determine if the fracture could have been caused by a material problem. In order to maximize the usefulness of these analyses, we need the following:

- a. The large slab specimen now in the possession of Region II.
- b. All available testing data on the materials which went into the concrete.
- c. The mix design of the concrete.
- d. The pouring sequence of the dome.
- e. The type of curing compound used, if any.
- f. Weather conditions during the curing period, including temperatures, wind velocity and rain days.
- g. The tensioning sequence and tensioning force.

It is planned that Joe Varela and I will take the samples to the Laboratory Monday, August 24, develop the testing program, and participate in the initial testing.

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A PDR

Leon L. Beratan
Senior Structural Engineer
Technical Support Branch, CO

*50-250
Incident*

See attached sheet for distribution:

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DATE ▶	8/20/70	8/ /70				

J. P. O'Reilly

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