
AUG 1 1974

F. Schroeder, Acting Deputy Director for Technical Review, L

REQUEST FOR TECHNICAL ASSISTANCE

Please arrange for the Structural Engineering Branch to provide the following technical assistance to RO:

Facility - Crystal River Unit 3

Docket No. 50-302 - OL Application

Assistance Requested - Evaluate the enclosed Construction Deficiency Report with respect to acceptability from a design standpoint, of the concrete placed in FOUR L-9 of the containment building dome.

We call to your attention the Gilbert Associates structural engineering analysis transmitted to Florida Power Corporation by letter from S. H. Dobreff dated May 22, 1974, particularly the section (on the last page of the package) which discusses tensile and shear stresses. Bearing in mind the Turkey Point 3 dome problems, we wonder about the sentence "No contribution from the tensile capacity of the concrete was relied upon when the required maximum prestress force was determined." As we remember the Turkey Point situation, the calculations assumed no tensile load where in fact, tensile load exceeded the actual capability of the concrete.

If your review indicates that the concrete as placed is acceptable, we will take no further action. If your review indicates that there is insufficient information or that the acceptability is questionable, we will so advise the licensee, and transfer lead responsibility to Reactor Projects.

Since concrete placement in the containment building dome is essentially complete, it is important that this matter receive prompt attention.

POOR ORIGINAL

50-302
Engineering

8008030 F73

F. Schroeder

- 2 -

AUG 1 1974

The RO cognizant engineer is J. B. Henderson, Extension 7421.

Original signed by
B. H. Grier
B. H. Grier, Assistant Director
for Construction & Operation
Directorate of Regulatory Operations

Enclosure: 50.55(a) Report
dated July 11, 1974

cc: L. Shao, L

cc w/o enclosure: W. G. McDonald, OPS:L

RO	RO	RO
JHenderson:bs	KVSeyfrit	BHGrier
8/1/74	8/1/74	8/1/74