

MAR 8 1977

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Docket No. 50-302

Florida Power Corporation  
 ATTN: Mr. J. T. Rodgers  
 Assistant Vice President  
 and Nuclear Project Manager  
 P. O. Box 14042  
 St. Petersburg, Florida 33733

Gentlemen:

SUBJECT: REACTOR CONTAINMENT DOME SURVEILLANCE  
 (CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT)

We have reviewed your letter dated January 31, 1977, in response to the condition in the operating license related to the surveillance program to determine any future delamination of the containment dome at Crystal River Unit 3. In your letter you propose that the current surveillance program, as defined in the plant Technical Specifications, provides an adequate program, and that additional surveillance is not required for the reasons that you have stated in your letter.

Based on our review of your response, we conclude that the reasons given for not performing any additional surveillance of the containment dome are not acceptable.

The containment dome as repaired is a hybrid structure consisting of the original prestressed concrete overlaid with an unprestressed reinforced concrete repair cap. The potential differences in long-term creep between the old and new concrete could contribute to future delamination and cracking of the new cap. In our judgment, the surveillance requirements that are in accordance with Regulatory Guide 1.35, "Inservice Inspection of Ungrouted Tendons in Prestressed Concrete Containment Structures," which were developed for structures which have not exhibited any structural defect, do not provide for the repaired structure at Crystal River Unit 3.

Accordingly, we require that you reassess your proposal and provide us with a proposed surveillance program that is responsive to our requirement for additional surveillance of the containment dome for the purpose of detecting any future delamination.

bcc: J. R. Buchanan, NSIC  
 T. B. Abernathy, TIC

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NF 4

GD

OFFICE						
SURNAME						
DATE						

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If you have any further questions regarding this matter, please contact us.

Sincerely,

Original Signed By  
John F. Stolz  
John F. Stolz, Chief  
Light Water Reactors Branch No. 1  
Division of Project Management

cc: Mr. S. A. Brandimore  
Vice President and General Counsel  
P. O. Box 14042  
St. Petersburg, Florida 33733

OFFICE	LWR 1	LWR 1			
SURNAME	JAngelo/red	JStolz			
DATE	3/8/77	3/8/77			