

Docket File
50-302

DEC 30 1971

R. C. DeYoung, Assistant Director for PWRs, DRL
THRU: Albert Schwencer, Chief, PWR Branch No. 4, DRL

Original Signed by
Albert Schwencer

MEETING WITH FLORIDA POWER CORPORATION CONCERNING REVIEW OF THE
OPERATING LICENSE APPLICATION FOR CRYSTAL RIVER UNIT 3
DOCKET NO. 50-302

Enclosed is a summary of the meeting held on December 17, 1971
with Florida Power Corporation. An attendance list is also enclosed.

Original Signed by
Howard J. Faulkner

Howard J. Faulkner
PWR Branch No. 4
Division of Reactor Licensing

- Enclosures:
1. Meeting Summary
 2. Attendance List

- cc w/enclos:
- F. A. Morris, DRL
 - F. Schroeder, DRL
 - T. R. Wilson, DRL
 - D. J. Skovholt, DRL
 - R. S. Boyd, DRL
 - H. R. Denton, DRL
 - F. W. Kargin, DRL
 - E. C. Case, DRL
 - T. R. Mccarty, DRL
 - DRL/PWR Branch Chiefs
 - R. M. Rincker, DRL
 - Comptroller (2)
 - H. Faulkner, DRL
 - R. Ballard, DRL
 - C. Ferrall, DRL
 - R. E. McNamee, DRL
 - G. Blum, DRL

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SURNAME	H. J. Faulkner								
DATE	12/30/71	12/30/71							

ENCLOSURE NO. 1

FLORIDA POWER CORPORATION - CRYSTAL RIVER UNIT 3

DOCKET NO. 50-302

SUMMARY OF MEETING - DECEMBER 17, 1971

POOR ORIGINAL

Summary

A meeting with Florida Power Corporation was held in Bethesda on December 17, 1971, to discuss general topics in regard to the review of the operating license application for Crystal River Unit 3. The most significant concern regarding the Crystal River Unit 3 application remains the ten foot discrepancy in predicted water level for the maximum probable hurricane. An increase in water level of this magnitude could possibly require design changes to the plant because of flood considerations.

Discussion

The specific items discussed at the meeting are summarized below:

1. Request for Additional Information

We stated that our first request for additional information should be forwarded by the end of the month and that a subsequent request is anticipated. The question list is quite extensive because of the lack of information, generally throughout the entire FSAR.

2. Site Boundary

The two mile long intake and discharge canals for Crystal River Unit 3 are public water ways. During a recent site visit, fishermen were observed immediately adjacent to the discharge structures of the operating fossil units. The applicant was informed that they will be required to clearly define the boundaries of the restricted area for purposes of 10 CFR 20, and describe the methods of access control over the restricted area.

3. Potential for Oil Spillage

Four large storage tanks with capacity of 1 million barrels of oil are located on the site. The oil is used as fuel for the two fossil plants. An earthen dike surrounds the tanks and provides some protection for spillage. We expressed concern that the tanks could fail during a severe hurricane or an earthquake, and inquired about the consequences to the intake cooling water from such a large spill.

4. Hydrogen Purge

In a recent amendment Florida Power Corporation submitted a revised Appendix 14-B, "An Evaluation of Purging as a Means of Controlling Post-Accident Reactor Building Hydrogen Concentration." We stated that this analysis is inadequate and that we require an analysis using the assumptions from Safety Guides 4 and 7.

5. Maximum Water Level

At a meeting with Florida Power Corporation on September 27, 1971, we stated our concern about the 10 foot discrepancy for the maximum water level for the probable maximum hurricane. Our calculations predict a water level which is 10 feet higher than the applicants. The level is high enough that it would possibly require changes to the plant. We reiterated our interest with this item, and identified it as the most significant technical problem associated with the application.

6. Vibration Testing of Reactor Internals

We stated that the vibration test of reactor internals for the Oconee 1 reactor may not be acceptable as a prototype for the Crystal River unit. We provided Florida Power Corporation with a draft of Safety Guide 20, "Vibration Measurements on Reactor Internals," and informed them that if a vibration test program is required it should meet the requirements of the Safety Guide.

7. Technical Specifications for Radioactive Release Limits

The proposed Tech. Specs. for radioactive release limits are based on 10 CFR 20. We informed the applicant that we intend to require limits to meet the numerical guides of proposed Appendix I to 10 CFR 50.

8. Environmental Report

Florida Power Corporation stated that the Environmental Report will be submitted by January 3, 1972. This document is intended to replace their previous Environmental Report which was submitted January 25, 1971.