



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 8, 2011

Mr. Jon Franke, Vice President
Crystal River Nuclear Plant (NA1B)
ATTN: Supervisor, Licensing & Regulatory Programs
15760 W. Power Line Street
Crystal River, FL 34428-6708

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT, LICENSE
RENEWAL APPLICATION (TAC NO. ME0274)

Dear Mr. Franke:

By letter dated December 16, 2009, Florida Power Corporation submitted an application pursuant to Title 10 of the *Code of Federal Regulations Part 54*, to renew the operating license for Crystal River Unit 3 Nuclear Generating Plant, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review. Further requests for additional information may be issued in the future.

Items in the enclosure were discussed with Mr. Michael Heath, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3733 or by e-mail robert.kuntz@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert F. Kuntz, Sr.", written over a horizontal line.

Robert F. Kuntz, Sr. Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-302

Enclosure:
As stated

cc w/encl: Listserv

REQUEST FOR ADDITIONAL INFORMATION
LICENSE RENEWAL APPLICATION FOR
CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT
DOCKET NO. 50-302

RAI B.2.22-3.1

Background

The December 8, 2010, response to request for additional information (RAI) B.2.22-3, stated that alternative methods would be used to examine the nuclear services and decay heat seawater system intake conduits due to their depth of installation and proximity to the intake canal. The response also stated that the alternative method of inspection will be based on proven technology and industry operating experience, and will be qualified subject to performance demonstration specific to the plant, including consideration for piping material, design, and service. The response further stated that the performance demonstration will verify the ability of the test methods, equipment, and personnel to detect loss of material with sufficient resolution to ensure no loss of intended function. The April 26, 2011, response to RAI B.2.22-4 revised license renewal application Section A.1.1.20 to include a statement that the intake conduit inspections will be performed by qualified methods.

Issue

Given that there are no currently qualified methods to examine the nuclear services and decay heat seawater system intake conduits one will have to be developed and demonstrated.

Request

If a qualified method has been developed for inspecting the nuclear services and decay heat seawater system intake conduits, state this method and provide sufficient information such that the staff can confirm that the method will adequately manage the effects of aging.

If an alternative qualified performance demonstrated method to inspect the nuclear services and decay heat seawater system intake conduits must be developed then the proposed final safety analysis report (FSAR) supplement should contain a summary description of activities for managing the effects of aging as required by 10 CFR 21(d). The FSAR supplement should include, for example, that the test method will be based on proven technology and test parameters, a performance demonstration will verify the ability of the test methods, equipment, and personnel, and the alternative method will be capable of detecting loss of material with sufficient resolution to ensure no loss of intended function, and will consider industry operating experience.

ENCLOSURE

November 8, 2011

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ADAMS Accession Number: ML11301A114

*concurrence by e-mail

OFFICE	LA:DLR*	PM:DLR/RPB2	BC:DLR/RPB2	PM:DLR/RPB2
NAME	SFiguroa	RKuntz	DMorey	RKuntz
DATE	10/28/2011	11/1/2011	11/1/2011	11/8/2011

OFFICIAL RECORD COPY

Letter to J. Franke from R. Kuntz dated November 8, 2011

**SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT, LICENSE
RENEWAL APPLICATION (TAC NO. ME0274)**

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