



Crystal River Nuclear Plant
Docket No. 50-302
Operating License No. DPR-72

Ref: 10 CFR 54

June 28, 2010
3F0610-08

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Crystal River Unit 3 – Response to Request for Additional Information for the Review of the Crystal River Unit 3 Nuclear Generating Plant, License Renewal Application (TAC NO. ME0278) – Environmental Document Request

References: (1) CR-3 to NRC letter, dated December 16, 2008, "Crystal River Unit 3 – Application for Renewal of Operating License"
(2) NRC to CR-3, letter dated June 3, 2010, "Request for Additional Information for the Review of the Crystal River Unit 3 Nuclear Generating Plant, License Renewal Application (TAC NO. ME0278)"

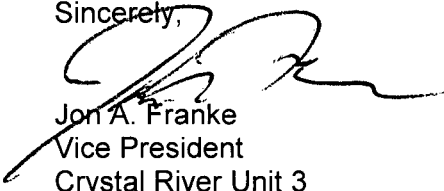
Dear Sir:

On December 16, 2008, Florida Power Corporation (FPC), doing business as Progress Energy Florida, Inc. (PEF), requested renewal of the operating license for Crystal River Unit 3 (CR-3) to extend the term of its operating license an additional 20 years beyond the current expiration date (Reference 1). Subsequently, the Nuclear Regulatory Commission (NRC), by letter dated June 3, 2010, provided a request for additional information (RAI) concerning the CR-3 License Renewal Application (LRA) and a request for documents (Reference 2). The Enclosure to this letter provides the response to the request for documents. A response to the RAI is being provided in a separate letter (CR-3 letter 3F0610-07 dated June 28, 2010).

No new regulatory commitments are contained in this submittal.

If you have any questions regarding this submittal, please contact Mr. Mike Heath, Supervisor, License Renewal, at (910) 457-3487, e-mail at mike.heath@pgnmail.com.

Sincerely,



Jon A. Franke
Vice President
Crystal River Unit 3

JAF/dwh

Enclosure: Response to Request for Documents
Attachment: Three 3-Ring Binders

xc: NRC CR-3 Project Manager
NRC License Renewal Project Manager
NRC Regional Administrator, Region II
Senior Resident Inspector

Progress Energy Florida, Inc.
Crystal River Nuclear Plant
15760 W. Power Line Street
Crystal River, FL 34428

A140
NRC

PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ENCLOSURE

RESPONSE TO REQUEST FOR DOCUMENTS

RESPONSE TO REQUEST FOR DOCUMENTS

This enclosure provides the requests for additional information that is needed by the U.S. Nuclear Regulatory Commission (NRC) staff to complete its review of the Crystal River Nuclear Generating Plant, Unit 3 (CR-3) application for license renewal and prepare the draft supplemental environmental impact statement. To support the staff's continued review of the CR-3 environmental report (ER), please provide the documents described below.

DOCUMENTS:

1. EnHydro, 2009, Progress Energy – Crystal River Energy Complex Aquifer Performance Test Plan, Conditions of Certification PA-77-09K, revised February 18, 2009. (As required by Special Condition #15 of COC; Wells 5, 6, 7, 8, 9, and 10).

Response

Refer to the enclosed document:

Progress Energy Florida, Inc. (PEF) letter (M. Shrader) to Florida Department of Environmental Protection (FDEP), dated March 4, 2009: RE: Progress Energy Crystal River Units 4 & 5, PA77-09A2, Conditions of Certification Required Submittals (with enclosed Aquifer Performance Test Plan).

2. EnHydro, 2009, New and Rehabilitated Production Wells – Capacity Testing Results Progress Energy Florida – Crystal River Energy Complex, Crystal River, Florida, letter from H. Cliff Harrison, EnHydro, to Michael Scrader, Lead Environmental Specialist, Progress Energy Florida, Inc., September 8, 2009 (including cover letter).

Response

Refer to the enclosed document:

Enhydro letter to PEF (M. Shrader) dated September 8, 2009: Re: New & Rehabilitated Production Wells - Capacity Testing Results, Progress Energy Florida - Crystal River Energy Complex, Crystal River, Florida.

3. Progress Energy, 2010, CCP and Solid Waste Management Plan – Crystal River Energy Complex, revised April 14, 2010.

Response

Refer to the enclosed document:

Crystal River Energy Complex Coal Combustion Product and Solid Waste Management Plan.

4. Florida Department of Environmental Protection Solid Waste Management Facility Inspection Checklist, 2009, WACS No. 97667 – Inspection Report for CREC's Ash Management Areas – two pages, with narrative and signature; dated February 5, 2009.

Response

Refer to the enclosed document:

FDEP Solid Waste Management Facility Checklist January 29, 2009.

5. EnHydro, 2006, Water Use Feasibility and Impact Assessment Report, submitted to the SFWMD in support of a modification to Power Plant Site Certification PA77-09, June 5, 2006.

Response

Refer to the enclosed document:

Crystal River Energy Complex Water Use Feasibility and Impact Assessment Report, EnHydro, LLC, June 5, 2006.

6. EnHydro, 2006, Response to Request for Additional Information (RAI) Water Use Permit Application No. 20003672.001, Site Certification PA77-06, CREC, letter from EnHydro to Michael Shrader, Lead Environmental Specialist, Progress Energy Florida, Inc., November 26, 2006.

Response

Refer to the enclosed document:

EnHydro, LLC, letter to PEF (M. Shrader) dated November 26, 2006: Re: Response to Request for Additional Information (RAI), Water Use Permit Application No. 20003672.001, Project Name: Site Certification PA77-06, Progress Energy Florida - Crystal River Energy Complex, Crystal River, Citrus County, Florida.

7. EnHydro and Quest Ecology, 2009, Baseline Wetland Assessment Procedure (WAP) Report SWFMD Permit #20003672.001, Conditions of Certification PA77-09K, May 27, 2009.

Response

Refer to the enclosed document:

EnHydro, LLC, and Quest Ecology, Inc., Baseline Wetland Assessment Procedure (WAP) Report SWFWMD Permit # 20003672.001 Conditions of Certification: PA-77-09K, Report Number 1, Monitoring Date: May 27, 2009.

8. Geraghty and Miller, Inc., 1979, Hydrogeologic Report of Florida Power Corporation's Proposed Well Field of Supply Water to Units 4 and 5 at Crystal River, Florida, October 15. NOTE: Cited in the ER (Chapter 4).

Response

Refer to the enclosed document:

Hydrogeologic Report on Florida Power Corporation's Proposed Well Field to Supply Water to Units 4 and 5 at Crystal River, Florida, Geraghty and Miller, Inc., Prepared for Florida Power Corporation, October 15, 1979.

9. TtNUS (Tetra Tech NUS), 2008, Groundwater Drawdown Calculation Package, Aiken, South Carolina, October 2008. NOTE: Cited in the ER (Chapter 4); include model input files for independent verification of results.

Response

Refer to the enclosed document:

Water Use Calculation Package for Crystal River Unit 3 License Renewal, ER Sections 4.5, October 2008, Tetra Tech NUS, Aiken, South Carolina.

10. Progress Energy, 2010, NPDES Permit Renewal Application (Electronic Version) – Units 1, 2, and 3 – April 2010, including all attachments and application reports (i.e., 2008 Fish Impingement Study and 2008 ReMetrix Sea Grass Study).

Response

Refer to the enclosed document:

PEF letter (L. Hatcher) to FDEP, dated October 28, 2009: RE: Progress Energy Florida, Inc. - Crystal River Units 1, 2, & 3 NPDES Permit Renewal Application - FL0000159.

11. Progress Energy, 2010, NPDES Permit Renewal Application (Electronic Version) – Units 4 and 5 – January 2010, including Parts 1, 2, and 3.

Response

Refer to the enclosed document:

PEF letter (L. Hatcher) to FDEP, dated January 25, 2010: RE: Progress Energy Florida, Inc. - Crystal River Units 4 & 5 NPDES Permit Renewal Application - FL0036366.

12. Progress Energy, 2009, NPDES Major Permit Modification Application (Electronic Version) – Units 1, 2, and 3 – submitted to FDEP by Michael Shrader, Lead Environmental Specialist, on September 11, 2009.

Response

Refer to the enclosed documents:

PEF letter (M. Shrader) to FDEP, dated September 11, 2009: Re: Crystal River Units 1, 2, & 3 NPDES Permit No. FL0000159, Major Permit Modification, Helper Cooling Tower South.

13. Progress Energy, 2008, Monitoring Report for the month of August 2008 (Permit PA 77-09 and NPDES FL0036366-Major; Units 4 and 5) with cover letter from Larry Hatcher, Plant Manager, Crystal River Fossil Plant & Fuel Operations, dated September 25, 2008.

Response

Refer to the enclosed documents:

PEF letter (L. Hatcher) to FDEP, dated September 25, 2008: RE: Progress Energy Florida, Inc., Crystal River Units 4 & 5, Permit ID# PA-77-09 and NPDES FL0036366-Major.

14. Progress Energy, 2004, Monitoring Report for the month of September 2004 (3rd Quarter) for Units 1, 2, and 3.

Response

Refer to the enclosed documents:

PEF letter (M. Olive) to FDEP, dated October 25, 2004: RE: Progress Energy Florida, Crystal River Units 1, 2, Permit ID# NPDES FL0000159-001-IW1S.