



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

October 11, 2012  
3F1012-07

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

Subject: Crystal River Unit 3 – Revised Commitment for Supplement to the Extended Power Uprate License Amendment Request #309 (TAC No. ME6527)

- References:
1. FPC to NRC letter dated June 15, 2011, “Crystal River Unit 3 – License Amendment Request #309, Revision 0, Extended Power Uprate” (ADAMS Accession No. ML112070659)
  2. FPC to NRC letter dated June 29, 2012, “Crystal River Unit 3 – Response to Second Request for Additional Information to Support NRC Accident Dose Branch (AADB) Technical Review of the CR-3 Extended Power Uprate LAR (TAC No. ME6527)” (ADAMS Accession No. ML12206A337)

Dear Sir:

By letter dated June 15, 2011, Florida Power Corporation (FPC) requested a license amendment to increase the rated thermal power level of Crystal River Unit 3 (CR-3) from 2609 megawatts to 3014 megawatts (Reference 1). In an FPC response to an NRC staff request for additional information associated with the CR-3 Extended Power Uprate License Amendment Request (Reference 2), a regulatory commitment was included to provide, by October 12, 2012, revisions to the main control room (MCR) atmospheric dispersion factors ( $\chi/Q$ ) and associated dose results.

The attachment, “List of Regulatory Commitments,” to this correspondence revises the content and date of the regulatory commitment included in FPC to NRC letter dated June 29, 2012 (Reference 2); and hereby, supersedes the previous regulatory commitment.

The regulatory commitment is being revised for the following reasons:

- The due date is being revised from October 12, 2012 to December 20, 2012, in part, due to the primary resources performing the necessary analytical work being unavailable for several weeks.
- To more effectively implement the guidance of Regulatory Guide 1.194, “Atmospheric Relative Concentrations for Control Room Radiological Habitability Assessments at Nuclear Power Plants,” the input assumptions associated with the MCR  $\chi/Q$  calculations have been re-evaluated and will be revised, as applicable, to more accurately represent the resulting dose to the MCR environment. As a result, additional time is required to revise the input

assumptions and re-perform the MCR  $\chi/Q$  calculations and determine the impact on the associated MCR dose calculations. As applicable, revised input assumptions associated with the MCR  $\chi/Q$  calculations will be provided along with the updated MCR  $\chi/Q$  values.

- The isolation of the MCR from outside air, upon receipt of a MCR intake high radiation signal, and subsequent operation of the Control Room Emergency Ventilation System will be credited during a fuel handling accident (FHA). As a result of this additional FHA assumption, the CR-3 Improved Technical Specifications and associated Bases are being revised as necessary to ensure the Control Room Emergency Ventilation System is available during a FHA. The applicable Improved Technical Specifications and Bases changes will be provided along with the revised MCR FHA dose results.

If you have any questions regarding this correspondence, please contact Mr. Dan Westcott, Superintendent, Licensing and Regulatory Programs at (352) 563-4796.

Sincerely,



Jon A. Franke  
Vice President  
Crystal River Nuclear Plant

JAF/gwe


Attachment: List of Regulatory Commitments

xc: NRR Project Manager  
Regional Administrator, Region II  
Senior Resident Inspector  
State Contact

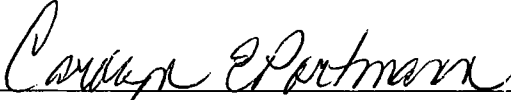
**STATE OF FLORIDA**

**COUNTY OF CITRUS**

Jon A. Franke states that he is the Vice President, Crystal River Nuclear Plant for Florida Power Corporation; that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto; and that all such statements made and matters set forth therein are true and correct to the best of his knowledge, information, and belief.

  
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Jon A. Franke  
Vice President  
Crystal River Nuclear Plant

The foregoing document was acknowledged before me this 11 day of October, 2012, by Jon A. Franke.

  
\_\_\_\_\_  
Signature of Notary Public  
State of Florida



\_\_\_\_\_  
(Print, type, or stamp Commissioned  
Name of Notary Public)

Personally Known ✓ -OR- Produced Identification \_\_\_\_\_

**FLORIDA POWER CORPORATION**

**CRYSTAL RIVER UNIT 3**

**DOCKET NUMBER 50-302 / LICENSE NUMBER DPR-72**

**ATTACHMENT**

**LIST OF REGULATORY COMMITMENTS**

### List of Regulatory Commitments

The following table identifies those actions committed to by Florida Power Corporation (FPC) in this document. Other statements in this correspondence are provided for information purposes and are not considered to be regulatory commitments. Please notify the Superintendent, Licensing and Regulatory Programs of any questions regarding this document or any associated regulatory commitments.

Regulatory Commitment	Due date/event
<p>FPC will provide:</p> <ol style="list-style-type: none"><li>1. revised main control room (MCR) atmospheric dispersion factors (<math>\chi/Q</math>) for each design basis event reported in Section 2.9.2, "Radiological Consequences Analyses," of the CR-3 EPU Technical Report based on ARCON96 methodology described in Regulatory Guide 1.194;</li><li>2. as applicable, revised input assumptions associated with the MCR <math>\chi/Q</math> calculations;</li><li>3. revised MCR dose results for the loss of coolant accident and fuel handling accident; and</li><li>4. associated revisions to the applicable CR-3 Improved Technical Specifications and associated Bases.</li></ol>	December 20, 2012