

10 CFR 50.90

RS-05-176

December 15, 2005

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

Quad Cities Nuclear Power Station, Unit 2
Renewed Facility Operating License No. DPR-30
NRC Docket No. 50-265

Subject: Request for Technical Specifications Change for Minimum Critical Power Ratio
Safety Limit

In accordance with 10 CFR 50.90, "Application for amendment of license or construction permit," Exelon Generation Company, LLC (EGC) requests an amendment to Renewed Facility Operating License No. DPR-30 for Quad Cities Nuclear Power Station, Unit 2. The proposed change revises the values of the safety limit minimum critical power ratio (SLMCPR) in Technical Specification (TS) Section 2.1.1, "Reactor Core SLs." Specifically, the proposed change would require that for Unit 2, the minimum critical power ratio (MCPR) for Global Nuclear Fuel (GNF) fuel shall be ≥ 1.09 for two recirculation loop operation, or ≥ 1.10 for single recirculation loop operation. Additionally, the proposed change would require that MCPR for Westinghouse fuel shall be ≥ 1.11 for two recirculation loop operation, or ≥ 1.13 for single recirculation loop operation.

This request is subdivided as follows.

- Attachment 1 provides an evaluation supporting the proposed change.
- Attachment 2 contains the marked-up TS page, with the proposed change indicated.
- Attachment 3 provides the retyped TS page, with the proposed change incorporated.
- Attachment 4 provides a marked-up copy of the affected TS Bases pages. The TS Bases pages are provided for information only, and do not require NRC approval.
- Attachment 5 provides a description of the SLMCPR evaluation for QCNPS Unit 2 Cycle 19, as well as a summary of the Westinghouse establishment of a critical power ratio correlation for GNF GE14 fuel.

The proposed change has been reviewed by the QCNPS Plant Operations Review Committee and approved by the Nuclear Safety Review Board in accordance with the requirements of the EGC Quality Assurance Program.

EGC requests approval of the proposed change by March 15, 2006, to support startup following the next refueling outage for Unit 2 (i.e., Q2R18), which is scheduled to start in March 2006. Once approved, the amendment shall be implemented prior to startup from Q2R18. This implementation period will provide adequate time for the affected station documents to be revised using the appropriate change control mechanisms.

In accordance with 10 CFR 50.91(b), EGC is notifying the State of Illinois of this application for changes to the TS by transmitting a copy of this letter and its attachments to the designated State Official.

Attachment 5 contains information proprietary to Westinghouse Electric Company LLC; it is supported by an affidavit signed by Westinghouse, the owner of the information. The affidavit, provided in Attachment 6, sets forth the basis on which the information may be withheld from public disclosure by the NRC and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR 2.390, "Public inspections, exemptions, requests for withholding." Accordingly, it is requested that the information be withheld from public disclosure in accordance with 10 CFR 2.390. A non-proprietary version of the information contained in Attachment 5 is also provided in Attachment 6.

There are no regulatory commitments contained in this letter. Should you have any questions concerning this letter, please contact Mr. Kenneth M. Nicely at (630) 657-2803.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 15th day of December 2005.

Respectfully,



Patrick R. Simpson
Manager – Licensing

Attachments:

- Attachment 1: Evaluation of Proposed Change
- Attachment 2: Markup of Proposed Technical Specifications Page
- Attachment 3: Retyped Technical Specifications Page for Proposed Change
- Attachment 4: Markup of Technical Specifications Bases Pages
- Attachment 5: Safety Limit Minimum Critical Power Ratio Evaluation for Quad Cities Nuclear Power Station Unit 2 Cycle 19 (PROPRIETARY)
- Attachment 6: Westinghouse Application for Withholding, Affidavit, and Non-Proprietary Version of Attachment 5

cc: Illinois Emergency Management Agency – Division of Nuclear Safety