

RS-06-033

February 22, 2006

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

Dresden Nuclear Power Station, Units 2 and 3
Renewed Facility Operating License Nos. DPR-19 and DPR-25
NRC Docket Nos. 50-237 and 50-249

Quad Cities Nuclear Power Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Additional Information Supporting Request for License Amendment Regarding
Transition to Westinghouse Fuel

- References:
1. Letter from P. R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Request for License Amendment Regarding Transition to Westinghouse Fuel," dated June 15, 2005
 2. Letter from P. R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Additional Information Supporting Request for License Amendment Regarding Transition to Westinghouse Fuel," dated January 26, 2006

In Reference 1, Exelon Generation Company, LLC (EGC) requested an amendment to Renewed Facility Operating License Nos. DPR-19 and DPR-25 for Dresden Nuclear Power Station (DNPS) Units 2 and 3, and Renewed Facility Operating License Nos. DPR-29 and DPR-30 for Quad Cities Nuclear Power Station (QCNPS) Units 1 and 2. The proposed amendment supports the transition to Westinghouse SVEA-96 Optima2 fuel at DNPS and QCNPS.

EGC provided additional information to support NRC review of the proposed amendment in Reference 2. In response to NRC Request 7 in Reference 2, EGC described the contents of a report that would be provided to the NRC upon completion to justify the acceptability of the application of the Westinghouse Emergency Core Cooling System (ECCS) evaluation methodology for the transition to SVEA-96 Optima2 fuel. This report is now complete, and is

included as Attachment 1. The report was previously e-mailed to the NRC on February 8, 2006, and was discussed in detail with the NRC during an audit on February 15, 2006.

Attachment 1 documents results of the reanalysis resulting from the change to the Westinghouse evaluation model methodology. Following NRC approval of Reference 1, any future changes to the NRC-approved ECCS performance evaluation model will be made and reported to the NRC in accordance with 10 CFR 50.46, "Acceptance criteria for emergency core cooling systems for light-water nuclear power reactors."

Additionally, the response to NRC Request 20 in Reference 2 stated that for QCNPS Unit 2 Cycle 19, Westinghouse will perform the Option III stability analysis to establish the stability based operating limit minimum critical power ratio (MCPR) as a function of Oscillation Power Range Monitor (OPRM) amplitude setpoint, and Westinghouse will perform the Backup Stability Protection (BSP) analysis. Specifically, Westinghouse will produce BSP contours of constant decay ratio to confirm the adequacy of the BSP boundaries. Also, Westinghouse will perform the regional mode DIVOM analysis required to confirm that the OPRM setpoints provide protection of the plant MCPR safety limit during postulated instability events. Westinghouse has completed these analyses for QCNPS Unit 2 Cycle 19, and the results of these analyses were reviewed with the NRC during an audit on February 15, 2006.

Attachment 1 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 2, 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 1 is also provided in Attachment 2.

There are no regulatory commitments contained in this letter. Should you have any questions related to 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 22nd day of February 2006.

Respectfully,



Patrick R. Simpson
Manager – Licensing

Attachments:

- Attachment 1: Task Report for TSD DQW04-21, LOCA Analysis for Quad Cities 1 & 2 and Dresden 2 & 3 (PROPRIETARY)
- Attachment 2: Westinghouse Application for Withholding, Affidavit, and Non-Proprietary Version of Attachment 1