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Nuclear

RS-01-252

November 2, 2001

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

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

Subject: Additional Information Supporting the License Amendment Request to Permit Uprated Power Operation, Quad Cities Nuclear Power Station, Units 1 and 2

Reference: Letter from R. M. Krich (Commonwealth Edison Company) to U. S. NRC, "Request for License Amendment for Power Uprate Operation," dated December 27, 2000

In the referenced letter, Commonwealth Edison Company, now Exelon Generation Company (EGC), LLC, submitted a request for changes to the operating licenses and Technical Specifications (TS) for Dresden Nuclear Power Station, Units 2 and 3, and Quad Cities Nuclear Power Station, Units 1 and 2, to allow operation at uprated power levels. In a telephone conference on October 18, 2001, between representatives of EGC and Mr. S. N. Bailey and other members of the NRC, the NRC requested additional information regarding these proposed changes. The attachment to this letter provides the requested information.

Should you have any questions related to this letter, please contact Mr. Allan R. Haeger at (630) 657-2807.

Respectfully,

P R Simpson

P. R. Simpson
Manager – Licensing
Mid-West Regional Operating Group

A001

Rec'd 11/14/02

Attachments:

Affidavit
Additional Information Supporting the License Amendment Request to Permit Uprated Power Operation, Quad Cities Nuclear Power Station, Units 1 and 2

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station
Office of Nuclear Facility Safety – Illinois Department of Nuclear Safety

STATE OF ILLINOIS	)	
COUNTY OF DUPAGE	)	
IN THE MATTER OF	)	
EXELON GENERATION COMPANY, LLC	)	**Docket Numbers**
QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2	)	**50-254 AND 50-265**

SUBJECT: Additional Information Supporting the License Amendment Request to Permit Uprated Power Operation, Quad Cities Nuclear Power Station, Units 1 and 2

AFFIDAVIT

I affirm that the content of this transmittal is true and correct to the best of my knowledge, information and belief.

P. R. Simpson
Manager – Licensing
Mid-West Regional Operating Group

Subscribed and sworn to before me, a Notary Public in and for the State above named, this 2nd day of November, 20 01.

Notary Public

" OFFICIAL SEAL "
Timothy A. Byam
Notary Public, State of Illinois
My Commission Expires 11/24/2001

Attachment
Additional Information Supporting the License Amendment Request to Permit Uprated Power Operation,
Quad Cities Nuclear Power Station, Units 1 and 2

Question

1) *Confirm the schedule for completing the modifications described in the referenced letter. Also, clarify the resulting value for the high confidence low probability of failure (HCLPF) for seismic events.*

Response

Modifications to increase the seismic capacity of plant components as described in the letter referenced below will be completed during the next refueling outages at Quad Cities Nuclear Power Station (QCNPS), Units 1 and 2. These outages are scheduled for October 2002 and February 2002 for Units 1 and 2, respectively. Implementation of the extended power uprate (EPU) for each unit at QCNPS is scheduled following these refueling outages. Thus, the modifications for each unit will be completed prior to that unit's EPU implementation.

Attachment A, Page 1 of the referenced letter states, in the second paragraph of the response, "Outlier evaluations and calculations will be based on design allowable loads/stresses using the A-46 required response design spectra, which has a peak ground acceleration value of 0.24g. This will result in HCLPF values of at least 0.24g."

The basis for stating that the HCLPF values will be at least 0.24g is that the outlier resolution activities used a conservative approach, as noted in the following.

- Outlier resolution calculations, including those supporting modifications, used design allowable loads (e.g., for concrete expansion anchors) and design allowable stress limits. Typically the seismic margins analysis permits higher allowable loads and stress limits for this beyond-design basis analysis.
- Outlier resolution calculations, including those supporting modifications, used 5% damping, which results in loads that are the same or higher than the loads generated from using realistic (i.e., higher) damping values.

QCNPS does not plan to further quantify the HCPLF values with these conservatisms removed.

Reference

Letter from Joel P. Dimmette, Jr. (Commonwealth Edison Company) to U. S. NRC, "Request for Additional Information (RAI) on Quad Cities IPEEE Submittal," dated September 1, 1998