

November 2, 1999

Mr. Oliver D. Kingsley, President
Nuclear Generation Group
Commonwealth Edison Company
Executive Towers West III
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: THERMO-LAG RELATED AMPACITY DERATING ISSUES; BYRON STATION,
UNITS 1 AND 2, AND BRAIDWOOD STATION, UNITS 1 AND 2 (TAC NOS.
MA3352, MA3353, MA3360, AND MA3361)

Dear Mr. Kingsley:

On July 9, 1997, the NRC sent a Request for Additional Information (RAI) related to analytical calculations and ampacity methodology for a range of fire barrier installations to Commonwealth Edison Company (ComEd, the licensee) for Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2. The issue was a part of the staff's review of Thermo-Lag 330-1 Fire Barriers (Generic Letter 92-08). A telephone conference call was held between the staff and licensee representatives on February 2, 1998. By letter dated September 8, 1998, ComEd responded to the RAI.

The staff, with technical assistance from Sandia National Laboratories, has reviewed and evaluated the information provided by ComEd. The staff's Safety Evaluation (SE) is enclosed. Based on its evaluation, the staff concludes that for Byron and Braidwood Stations, all of the ampacity related concerns have been resolved and ComEd has provided an adequate technical basis to ensure that all of the Thermo-Lag fire barrier enclosed cables are operating within acceptable ampacity limits. Therefore, the staff finds that there are no outstanding safety concerns with respect to Generic Letter 92-08 ampacity derating issues.

Sincerely,

Original signed by:

George F. Dick, Jr., Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-454, STN 50-455,
STN 50-456, AND STN 50-457

Enclosure: SE

cc w/encl: See next page

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PDIII r/f G. Dick (2)
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DATE	11/02/99		11/2/99		6/28/99	11/2/99

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Division of Licensing Project Management
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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Nuclear Generation Group
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Sincerely,

A handwritten signature in cursive script that reads "George F. Dick, Jr.".

George F. Dick, Jr., Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-454, STN 50-455,
STN 50-456, AND STN 50-457

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O. Kingsley
Commonwealth Edison Company

- 2 -

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