

December 7, 2000

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: CORRECTION LETTER; BYRON AND BRAIDWOOD - REQUEST FOR
ADDITIONAL INFORMATION REGARDING THE POWER UPRATE REQUEST
(TAC NOS. MA9428, MA9429, MA9426, AND MA9427)

Dear Mr. Kingsley:

By letter dated November 21, 2000, we sent a Request for Additional Information (RAI) related to Commonwealth Edison Company's July 5, 2000, request to increase the power level at each of the units at Byron and Braidwood Stations.

After the RAI was issued, it was brought to our attention that there was an error in the format for page 2. Please replace page 2 of the RAI enclosed to our November 21, 2000, letter with the enclosed two pages. We apologize if the error created any confusion.

Sincerely,

/RA/

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: As stated

cc w/encl: See next page

O. Kingsley
Commonwealth Edison Company

Byron/Braidwood Stations

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Byron/Braidwood Stations

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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: As stated

cc w/encl: See next page

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DATE	12/07/00	12/5/00	12/7/00

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condition. Please provide and justify the acceptance criteria for defining a full core offload during normal refueling outages as a temporary condition.

H.3 During normal (planned) refueling outages with a full core discharged to the SFP, the calculated SFP peak temperature (assuming a single active failure) is 162.7 °F which exceeds the guidance of 140 °F described in Standard Review Plan (SRP) Section 9.1.3 for SFP temperature, and the guidance of 150 °F described in American Concrete Institute (ACI) 349-97, "Nuclear Safety Structures," for concrete structures. The durations of the SFP temperature exceeding the SRP guidance and ACI guidance are expected to be approximately 580 hours and 120 hours, respectively (Figure 5.8.2, of Attachment E of ComEd's submittal of March 23, 1999, "Request for an Amendment to Technical Specifications to Support Installation of New Spent Fuel Pool Storage Racks at Byron and Braidwood Stations"). Please provide the following information:

- a. A detailed discussion to justify why the higher pool temperature of 162.7 °F is acceptable during planned refueling outages.
- b. The effects of the higher pool temperature during this duration on equipment and systems.
- c. Detailed discussion of the thermal stress analyses (e.g., assumptions, analytical models, etc.) of the pool structures should be provided in Section 9.5.3, "Spent Fuel Pool."

H.4 In order to determine whether adequate controls exist to ensure the guidance of Standard Review Plan, Section, 9.1.3, are met, the staff needs to understand the provisions established or to be established in plant operating procedures to monitor and control the SFP water temperature during full-core offload events. Please provide the following information:

- a. The frequency that the local temperature indicators for SFP water temperature will be monitored.
- b. The setpoint of the high water temperature alarm for the SFP.
- c. Information supporting a determination that there is sufficient time for operators to intervene in order to ensure that the temperature limit of 150 °F will not be exceeded.
- d. The mitigative actions (i.e., prohibit fuel handling, aligning other systems to provide SFP cooling, etc.) to be taken in the event of a high SFP water temperature alarm.

Question Set I

- I.1 For the loss-of-coolant accident (LOCA) and main steamline break (MSLB) Containment Analyses (Section 6.4 and 6.5 of update report), please indicate key input parameters that are different from updated final safety analysis report (UFSAR) besides power related and the effect on the peak containment pressure and temperature.