

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

cc:

Ms. C. Sue Hauser, Project Manager  
Westinghouse Electric Corporation  
Energy Systems Business Unit  
Post Office Box 355  
Pittsburgh, Pennsylvania 15230

Attorney General  
500 S. Second Street  
Springfield, Illinois 62701

Joseph Gallo  
Gallo & Ross  
1025 Connecticut Ave., NW, Suite 1014  
Washington, DC 20036

Illinois Department of Nuclear Safety  
Office of Nuclear Facility Safety  
1035 Outer Park Drive  
Springfield, Illinois 62704

Howard A. Learner  
Environmental Law and Policy  
Center of the Midwest  
35 East Wacker Dr., Suite 1300  
Chicago, Illinois 60601-2110

Commonwealth Edison Company  
Byron Station Manager  
4450 N. German Church Road  
Byron, Illinois 61010-9794

U.S. Nuclear Regulatory Commission  
Byron Resident Inspectors Office  
4448 N. German Church Road  
Byron, Illinois 61010-9750

Commonwealth Edison Company  
Site Vice President - Byron  
4450 N. German Church Road  
Byron, Illinois 61010-9794

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, Illinois 60532-4351

U.S. Nuclear Regulatory Commission  
Braidwood Resident Inspectors Office  
35100 S. Rt. 53, Suite 79  
Braceville, Illinois 60407

Ms. Lorraine Creek  
RR 1, Box 182  
Manteno, Illinois 60950

Mr. Ron Stephens  
Illinois Emergency Services  
and Disaster Agency  
110 E. Adams Street  
Springfield, Illinois 62706

Chairman, Ogle County Board  
Post Office Box 357  
Oregon, Illinois 61061

Chairman  
Will County Board of Supervisors  
Will County Board Courthouse  
Joliet, Illinois 60434

Mrs. Phillip B. Johnson  
1907 Stratford Lane  
Rockford, Illinois 61107

Commonwealth Edison Company  
Braidwood Station Manager  
35100 S. Rt. 53, Suite 84  
Braceville, Illinois 60407-9619

George L. Edgar  
Morgan, Lewis and Bockius  
1800 M Street, NW  
Washington, DC 20036-5869

O. Kingsley  
Commonwealth Edison Company

- 2 -

Byron/Braidwood Stations

Ms. Bridget Little Rorem  
Appleseed Coordinator  
117 N. Linden Street  
Essex, Illinois 60935

Commonwealth Edison Company  
Reg. Assurance Supervisor - Braidwood  
35100 S. Rt. 53, Suite 84  
Braceville, Illinois 60407-9619

Document Control Desk-Licensing  
Commonwealth Edison Company  
1400 Opus Place, Suite 400  
Downers Grove, Illinois 60515

Commonwealth Edison Company  
Reg. Assurance Supervisor - Byron  
4450 N. German Church Road  
Byron, Illinois 61010-9794

Commonwealth Edison Company  
Site Vice President - Braidwood  
35100 S. Rt. 53, Suite 84  
Braceville, Illinois 60407-9619

Ms. Pamela B. Stroebel  
Senior Vice President and General Counsel  
Commonwealth Edison Company  
P.O. Box 767  
Chicago, Illinois 60690-0767

Mr. David Helwig  
Senior Vice President  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 900  
Downers Grove, Illinois 60515

Mr. Gene H. Stanley  
Vice President - Nuclear Operations  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 900  
Downers Grove, Illinois 60515

Mr. Christopher Crane  
Senior Vice President - Nuclear Operations  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 900  
Downers Grove, Illinois 60515

Mr. R. M. Krich  
Vice President - Regulatory Services  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 500  
Downers Grove, Illinois 60515

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

December 7, 2000

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

DISTRIBUTION:  
PUBLIC  
PD3-2 r/f  
S. Black  
L. Berry  
OGC  
ACRS  
M. Jordan, RIII

ACCESSION NO.: ML003775938

OFFICE	PM:PD3-2	LA:PD3-2	SC:PD3-2
NAME	G. DICK	THarris	A. MENDIOLA
DATE	12/07/00	12/5/00	12/7/00

OFFICIAL RECORD COPY

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.