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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUN 16 1980

Docket Nos.: 50-454, 50-456
and 50-456, 50-457

Mr. D. Louis Peoples
Director of Nuclear Licensing
Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60690

Dear Mr. Peoples:

SUBJECT: BYRON/BRAIDWOOD INDEPENDENT STRUCTURAL ANALYSIS

The Nuclear Regulatory Commission staff with the assistance of EG&G Idaho, Inc., is performing independent structural analyses of the Bryon and Braidwood facilities. In order to complete these independent analyses, the following additional informtion is requested.

1. For the Auxiliary Building

   a. Free field design (SSE & OBE) time history

   b. Drawings defining structural framing (reinforced concrete beams and columns, steel girders, beams, and columns, composite beams) for column line 25 from column line L to column line Q and column line 18 from column line L to column line W

   c. Dead and live loading for the above listed framing

   d. A complete structural drawing list for the Auxiliary Building and Containment

   e. General structural drawing notes, Drawings S-497 and S-1141

   f. Structural drawings defining floor slabs and beams at elevation 439' 0" and 401' 0" from column line 23 to column line 26 and from column line N to column line Q

   g. Dead and line loading for the floors described above.

2. For the Containment Building

   a. Prestress loads (F lbs/tendon)

   b. Normal thermal effects and loads (T_o)

   c. Normal pressure loads (P_v)

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d. Abnormal thermal effects and loads (T_a)

e. Abnormal design pressure load (P_a).

Please forward seven copies of this information to us and one copy to EG&G Idaho, Inc., 1955 Fremont Avenue, Idaho Falls, Idaho 03415.

Sincerely,

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

cc: See next page

Commonwealth Edison Company

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