

Docket Nos.: STN 50-454, STN 50-455,  
and STN 50-456

125 1985

Mr. Dennis J. Farrar  
Director of Nuclear Licensing  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

Dear Mr. Farrar:

Subject: Environmental Assessment and Finding of No Significant Impact -  
Exemption from Submittal of an Updated Final Safety Analysis  
Report for Byron/Braidwood

I am enclosing the subject notice which relates to your April 16, 1985 request  
for exemption from the requirements of 10 CFR 50.71(e)(3) to extend the dead-  
line for submittal of an updated Final Safety Analysis Report.

This notice is being forwarded to the Office of the Federal Register for  
publication.

Sincerely,

**ORIGINAL SIGNED BY:**

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

Enclosure:  
Notice

cc: See next page

DISTRIBUTION:  
See attached page

LB#1:DL  
LO1shan:kab  
05/14/85

LB#1:DL  
MRushbrook  
05/14/85

LB#1:DL  
JStevens  
05/14/85

LB#1:DL  
B.Youngblood  
05/14/85

OFED  
AD:2701  
TNovak  
05/14/85

8506180505 850610  
PDR ADOCK 05000454  
PDR

BYRON/BRAIDWOOD

JUN 1 1985

Mr. Dennis L. Farrar  
Director of Nuclear Licensing  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

cc: Mr. William Kortier  
Atomic Power Distribution  
Westinghouse Electric Corporation  
Post Office Box 355  
Pittsburgh, Pennsylvania 15230

Joseph Gallo, Esq.  
Isham, Lincoln & Beale  
1120 Connecticut Ave., N. W.  
Suite 840  
Washington, D. C. 20036

C. Allen Bock, Esquire  
Post Office Box 342  
Urbana, Illinois 61801

Thomas J. Gordon, Esquire  
Waller, Evans & Gordon  
2503 S. Neil  
Champaign, Illinois 61820

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

Mr. Edward R. Crass  
Nuclear Safeguards and Licensing  
Division  
Sargent & Lundy Engineers  
55 East Monroe Street  
Chicago, Illinois 60603

U. S. Nuclear Regulatory Commission  
Resident Inspectors Office  
RR#1, Box 79  
Braceville, Illinois 60407

Dr. Bruce von Zellen  
Department of Biological Sciences  
Northern Illinois University  
DeKalb, Illinois 61107

Mr. Julian Hinds  
U. S. Nuclear Regulatory Commission  
Byron/Resident Inspectors Office  
4448 German Church Road  
Byron, Illinois 61010

Ms. Diane Chavez  
528 Gregory Street  
Rockford, Illinois 61108

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

Douglass Cassel, Esq.  
109 N. Dearborn Street  
Suite 1300  
Chicago, Illinois 60602

Ms. Pat Morrison  
5568 Thunderidge Drive  
Rockford, Illinois 61107

David C. Thomas, Esq.  
77 S. Wacker Drive  
Chicago, Illinois 60601

Rebecca J. Lauer, Esq.  
Isham, Lincoln & Beale  
Three First National Plaza  
Suite 5200  
Chicago, Illinois 60602

BYRON BRADWOOD

JUN 10 1985

cc: Regional Administrator  
U. S. NRC, Region III  
700 Roosevelt Road  
Springfield, Illinois 60137

Eric Jones, Director  
Illinois Emergency Services  
and Disaster Agency  
110 East Adams  
Springfield, Illinois 62705

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

Mr. Michael C. Parker, Chief  
Division of Engineering  
Illinois Department of  
Nuclear Safety  
1035 Outer Park Drive  
Springfield, Illinois 62704

Michael Miller  
Isham, Lincoln & Beale  
One First National Plaza  
42nd Floor  
Chicago, Illinois 60603

Jane M. Whicher, Esq.  
109 N. Dearborn Street  
Chicago, Illinois 60602

UNITED STATES NUCLEAR REGULATORY COMMISSION  
COMMONWEALTH EDISON COMPANY  
DOCKET NOS. STN 50-454, STN 50-455, STN 50-456  
ENVIRONMENTAL ASSESSMENT AND FINDING  
OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from the schedular requirement of 10 CFR 50.71(e)(3) (i) to the Commonwealth Edison Company (the licensee) for Byron Station, Units 1 and 2, and Braidwood Station, Unit 1 (the facilities). Byron Station is located at the licensee's site in Ogle County, Illinois and Braidwood Station is located at the licensee's site in Will County, Illinois. Byron Station, Unit 1, received its full power operating license on February 14, 1985; the other two units have not yet received operating licenses.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed action would grant an exemption from the requirement of 10 CFR 50.71(e)(3)(1) to submit an updated Final Safety Analysis Report (FSAR) for the facilities within 24 months of the date of issuance of the operating license. By letter dated April 16, 1985, the licensee requested an exemption to defer submittal of the updated FSAR until 12 months after Braidwood Station, Unit 2, is licensed. This deferral is the proposed action being considered by the staff.

### The Need for the Proposed Action

The FSAR applies to four units: Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2. The licensee will continue to keep the FSAR up-to-date throughout the licensing of Byron Station, Unit 2, and Braidwood Station, Units 1 and 2. The licensee states that it is not practical to maintain an FSAR and an updated FSAR and proposes to submit the updated FSAR within twelve months after issuance of the operating license for Braidwood Station, Unit 2.

### Environmental Impacts of the Proposed Action:

The proposed exemption affects only the required date for updating the FSAR and does not affect the risk of facility accidents. Thus, post-accident radiological releases will not differ from those determined previously, and the proposed exemption does not otherwise affect facility radiological effluents or occupational exposures. With regard to potential nonradiological impacts, the proposed exemption does not affect plant non-radiological effluents and has no other environmental impact. Therefore, the Commission concludes there are no measurable radiological or nonradiological environmental impacts associated with the proposed exemption.

### Alternatives to the Proposed Action:

Since the Commission has concluded there is no measurable environmental impact associated with the proposed exemption, any alternatives with equal or greater environmental impacts need not be evaluated. The principal alternative to the exemption would be to require an earlier date for submittal of the updated FSAR. Such an action would not enhance the protection of the environment and is unnecessary in these circumstances since the purpose of maintaining a current FSAR will be met by compliance with 10 CFR Section 50.34 during the period of licensing review of Byron Unit 2 and Braidwood Units 1 and 2.

Alternative Use of Resources:

This action does not involve the use of resources not considered previously in the Final Environmental Statement for both Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed exemption. Based upon the environmental assessment, the NRC staff concludes that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this proposed action, see the license letter dated April 16, 1985. This letter is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 20555, at the Pockford Public Library, 215 N. Wyman, Street, Rockford, Illinois 61103, and at the Wilmington Public Library, 292 S. Kankakee Street, Wilmington, Illinois 60481.

Dated at Bethesda, Maryland, this            day            1985.

Sincerely,

Thomas M. Novak, Assistant Director  
for Licensing  
Division of Licensing

LB#1:01  
LOIshan:kab  
05/    /85

LB#1:02  
MRushbrook  
05/    /85

LB#1:03  
JStevens  
05/    /85

LB#1:04  
R.Youngblood  
05/    /85

OELD  
05/    /85

AD:1:01  
TNovak  
05/    /85

DISTRIBUTION:

Docket File

NRC PDR

L PDR

PRC System

NSIC

LB#1 RIF

MRushbrock

LOlshan

JStevens

OELD

CMiles

HDenton

JRutberg

AToalston

WMiller

JPartlow

BGrimes

EJordan

LHarmon

TBarnhart (1?)

IBailey

DATED:

JUN 10 1985