

July 1, 1988

Docket Nos. STN 50-454  
and STN 50-455

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Nuclear Licensing Manager  
Commonwealth Edison Company  
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Dear Mr. Bliss:

The Commission has issued the enclosed Amendment No.19 to Facility Operating License No. NPF-37 and Amendment No.19 to Facility Operating License No. NPF-66 for the Byron Station, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated March 10, 1988 and supplemented by letter dated April 21, 1988.

These amendments approve changes to the Technical Specifications to reduce the composition of the Onsite Nuclear Safety Group from four members to three members.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,

Leonard N. Olshan, Project Manager  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosures:

1. Amendment No.19 to NPF-37
2. Amendment No.19 to NPF-66
3. Safety Evaluation

cc: w/enclosures  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

July 1, 1988

Docket Nos. STN 50-454  
and STN 50-455

Mr. Henry E. Bliss  
Nuclear Licensing Manager  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

Dear Mr. Bliss:

The Commission has issued the enclosed Amendment No. 19 to Facility Operating License No. NPF-37 and Amendment No. 19 to Facility Operating License No. NPF-66 for the Byron Station, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated March 10, 1988 and supplemented by letter dated April 21, 1988.

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Sincerely,

A handwritten signature in cursive script that reads "Leonard N. Olshan".

Leonard N. Olshan, Project Manager  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosures:

1. Amendment No. 19 to NPF-37
2. Amendment No. 19 to NPF-66
3. Safety Evaluation

cc: w/enclosures  
See next page

Mr. Henry E. Bliss  
Commonwealth Edison Company

Byron Station  
Units 1 and 2

cc:

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Region V  
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Byron Station Manager  
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Byron, Illinois 61010



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-454

BYRON STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 19  
License No. NPF-37

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated March 10, 1988, supplemented April 21, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specification as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-37 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A as revised through Amendment No. 19 and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Leif J. Norrholm, Acting Director  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 1, 1988



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-455

BYRON STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 19  
License No. NPF-66

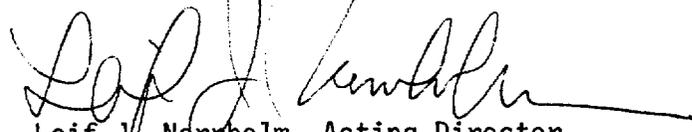
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated March 10, 1988, supplemented April 21, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-66 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A (NUREG-1113), as revised through Amendment No. 19 and revised by Attachment 2 to NPF-60, and the Environmental Protection Plan contained in Appendix B, both of which are attached to License No. NPF-37, dated February 14, 1985, are hereby incorporated into this license. Attachment 2 contains a revision to Appendix A which is hereby incorporated into this license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Leif J. Nordholm, Acting Director  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 1, 1988

ATTACHMENT TO LICENSE AMENDMENT NOS. 19 AND 19  
FACILITY OPERATING LICENSE NOS. NPF-37 AND NPF-66  
DOCKET NOS. STN-50-454 AND STN 50-455

Revise Appendix A as follows:

Remove Page

6-2

Insert Page

6-2

## ADMINISTRATIVE CONTROLS

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### UNIT STAFF (Continued)

- e. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions; e.g., licensed Senior Operators, licensed Operators, health physics personnel, equipment operators, and key maintenance personnel.

The amount of overtime worked by Unit staff members performing safety-related functions shall be limited in accordance with the NRC Policy Statement on working hours (Generic Letter No. 82-12).

### 6.2.3 ONSITE NUCLEAR SAFETY GROUP (ONSG)

#### FUNCTION

6.2.3.1 The ONSG serves as an independent safety engineering group and shall function to examine plant operating characteristics, NRC issuances, industry advisories, REPORTABLE EVENTS and other sources of plant design and operating experience information, including plants of similar design, which may indicate areas for improving plant safety. The ONSG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities or other means of improving plant safety to the Manager of Nuclear Safety, and the Station Manager, Byron Station.

#### COMPOSITION

6.2.3.2 The ONSG shall be composed of at least three, dedicated, full-time engineers located on site.

#### RESPONSIBILITIES

6.2.3.3 The ONSG shall be responsible for maintaining surveillance of plant activities to provide independent verification\* that these activities are performed correctly and that human errors are reduced as much as practical.

#### RECORDS

6.2.3.4 Records of activities performed by the ONSG shall be prepared, maintained, and forwarded each calendar month to the Manager of Nuclear Safety, and the Station Manager, Byron Station.

### 6.2.4 SHIFT TECHNICAL ADVISOR

The Station Control Room Engineer (SCRE) may serve as the Shift Technical Advisor (STA) during abnormal operating or accident conditions. During these conditions the SCRE or other on duty STA shall provide technical support to the Shift Supervisor in the areas of thermal hydraulics, reactor engineering and plant analysis with regard to the safe operation of the unit.

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\*Not responsible for sign-off function.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 19 TO FACILITY OPERATING LICENSE

NOs. NPF-37 AND NPF-66

BYRON STATION UNITS 1 AND 2

DOCKET NOs. 50-454 AND 50-455

1.0 INTRODUCTION

By letter dated March 10, 1988, and supplemented by letter dated April 21, 1988, Commonwealth Edison Company (CECo), the licensee, submitted a proposed amendment to the Facility Operating Licenses NPF-37 and NPF-66, for Byron Station, Units 1 and 2. The proposed amendment requests a change to Technical Specification (TS) 6.2.3.2 to reduce the composition of the Onsite Nuclear Safety Group from four members to three members.

2.0 DISCUSSION

The Onsite Nuclear Safety Group (ONSG) performs the functions defined in NUREG-0737, Item I.B.1.2 - Independent Safety Engineering Group (ISEG). This item was developed by the NRC staff as part of the Action Plan which was issued after the accident at Three Mile Island Unit 2 to improve safety at power reactors. As stated in NUREG-0737, Item 1.B.1.2:

"The principal function of the ISEG is to examine plant operating characteristics, NRC issuances, Licensing Information Service advisories, and other appropriate sources of plant design and operating experience information that may indicate areas for improving plant safety. The ISEG is to perform independent review and audits of plant activities including maintenance, modifications, operational problems, and operational analysis and aid in the establishment of programmatic requirements for plant activities.

"Another function of the ISEG is to maintain surveillance of plant operations and maintenance activities to provide independent verification that these activities are performed correctly and that human errors are reduced as far as practicable. ISEG will then be in a position to advise utility management on the overall quality and safety of operations."

In NUREG-0800, Section 13.4, Item II.3.b., it is further stated that "That group shall be comprised of a minimum of five dedicated, full-time engineers, located onsite, but reporting offsite to a corporate official who holds a high-level, technically oriented position who is not in the management chain

for power production. For utilities with multiple sites, it may be possible to perform portions of the independent safety assessment function in a centralized location for all the utility's plants. In such cases, an onsite group still is required, but it may be slightly smaller than would be the case if it were performing the entire independent safety assessment." For example, the ISEG for TVA's Sequoyah plants has been authorized by the NRC to be composed of three members, the same number proposed for Byron.

CECo has two additional organizations which perform an independent review and audit function. The Onsite Quality Assurance Group performs audits and surveillances of various production activities and are independent of the production function. The Licensing and Plant Support Services Group (LPSSG) reports to the Senior Vice President of Nuclear Operations as does the Vice President for PWR operations. This LPSSG has both onsite and offsite elements which monitor station performance, conduct technical assessments, coordinate off-normal event investigations and implement regulatory performance improvement and trending programs. The information obtained by these two groups is shared with ONSG and is utilized by the ONSG in performing its review and audit functions.

Thus, many of the functions that NUREG-0737, Item I.B.1.2, requires of the ONSG are being done by the Onsite Quality Assurance Group and the LPSSG. The mission of the ONSG can be accomplished more efficiently by using the data and reports generated by these other two groups. Based on this, and based on the licensee's ability to supplement the ONSG personnel with engineering personnel from the corporate nuclear safety staff, the NRC staff concludes that reducing the ONSG to three members is acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

### 4.0 CONCLUSION

The staff has further concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or the health and safety of the public.

Principal Contributor: Philip G. Brochman

Dated: July 1, 1988