



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

Docket No. 50-237

12/30/80

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

Dear Mr. Abel:

The Commission has issued the enclosed Amendment No. 53 to Provisional Operating License No. DPR-19 for Dresden Station Unit No. 2. This amendment is in response to your application dated December 23, 1980.

The amendment extends the date for compliance with the Confirmatory Order issued by the Director of Nuclear Reactor Regulation dated February 21, 1980, from December 31, 1980 to January 4, 1981.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

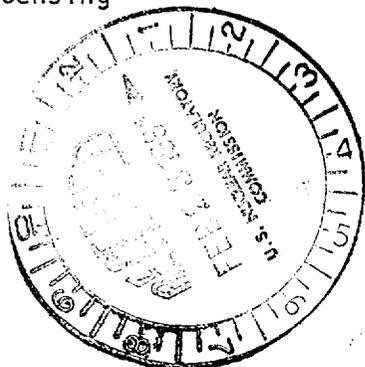
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Dennis M. Crutchfield, Chief Operating Reactors Branch #5 Division of Licensing

Enclosures:

- 1. Amendment No. to License No. DPR-19 2. Safety Evaluation 3. Notice of Issuance

cc w/enclosures: See next page



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Handwritten notes and dates

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Table with columns for OFFICE, SURNAME, DATE and rows for DL ORB #5, DL AD/SA, DL ORB

December 30, 1980

cc w/enclosures:  
Isham, Lincoln & Beale  
Counselors at Law  
One First National Plaza, 42nd Floor  
Chicago, Illinois 60603

Mr. D. J. Scott  
Plant Superintendent  
Dresden Nuclear Power Station  
Rural Route #1  
Morris, Illinois 60450

Natural Resources Defense Council  
917 15th Street, NW  
Washington, D.C. 20005

U.S. Nuclear Regulatory Commission  
Resident Inspectors Office  
Dresden Station  
Rural Route #1  
Morris, Illinois 60450

Susan N. Sekuler  
Assistant Attorney General  
Environmental Control Division  
188 W. Randolph Street  
Suite 2315  
Chicago, Illinois 60601

Morris Public Library  
604 Liberty Street  
Morris, Illinois 60451

Chairman  
Board of Supervisors of Grundy County  
Grundy County Courthouse  
Morris, Illinois 60450

John F. Wolfe, Esquire  
3409 Shepherd Street  
Chevy Chase, Maryland 20015

Dr. Linda W. Little  
500 Hermitage Drive  
Raleigh, North Carolina 27612

Department of Public Health  
ATTN: Chief, Division of Nuclear  
Safety  
535 West Jefferson  
Springfield, Illinois 62761

Director, Standards and Criteria  
Division  
Office of Radiation Programs  
(ANR-460)  
U.S. Environmental Protection  
Agency  
Washington, D.C. 20460

U.S. Environmental Protection  
Agency  
Federal Activities Branch  
Region V Office  
ATTN: EIS COORDINATOR  
230 South Dearborn Street  
Chicago, Illinois 60604

Dr. Forrest J. Remick  
305 East Hamilton Avenue  
State College, Pennsylvania 16801



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-237

DRESDEN STATION, UNIT NO. 2

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 53  
License No. DPR-19

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated December 23, 1980, 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.

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2. Accordingly, the license is amended by the addition of Paragraph 3.L to Provisional Operating License No. DPR-19 to read as follows:

L. The licensee shall, by January 4, 1981, install a recirculation pump trip, or in the alternative, place and maintain the facility in a cold shutdown or refueling mode of operation.

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Date of Issuance: December 30, 1980



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 53 TO PROVISIONAL OPERATING LICENSE NO. DPR-19

DOCKET NO. 50-237

INTRODUCTION

By letter dated December 23, 1980, Commonwealth Edison Company (CECo) requested that the effective date of the February 21, 1980 NRC Confirmatory Order which had previously amended the license to require installation of a recirculation pump trip, be extended from December 31, 1980 to January 4, 1981 for Dresden Nuclear Power Station, Unit No. 2.

BACKGROUND

Over the past eleven years the subject of anticipated transients without scram (ATWS) events and the manner in which they should be considered in the design of nuclear power plants has been discussed extensively between the Nuclear Regulatory Commission (NRC) Staff and the nuclear industry.

In April 1978, the Staff published a report on "Anticipated Transients Without Scram for Light Water Reactors," NUREG-0460, Volumes 1 and 2, which summarized technical considerations related to ATWS and made recommendations.

Following additional investigations by the Staff and by the ACRS, the Staff issued Volume 3 of NUREG-0460, in December 1978.

Although final determination of all the design changes to nuclear power plants which may be necessary to respond to ATWS events has not yet been reached, the Staff has concluded that the addition of a Recirculation Pump Trip (RPT) in boiling water reactors (BWRs) would significantly limit the immediate consequences of an ATWS event. Therefore, letters dated January 9, 1979 were sent to the BWR licensees who did not have installed RPTs. These letters:

- described the reasons for requiring an RPT at this time,
- described two alternative ways to provide an acceptable RPT, and
- requested that licensees provide an RPT implementation schedule which would provide for installation within two years.

In response to the letter of January 9, 1979, and additional discussions with the Staff, the CECo committed, by letters dated March 29, and November 30, 1979, and February 4, 1980, to installation of an RPT

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before reactor operation during calendar year 1981.

On February 21, 1980, the NRC formalized CECO's commitment by issuing a Confirmatory Order requiring that RPT installation be completed no later than December 31, 1980.

The licensee's request for a four-day extension cited the low probability of an ATWS event as one basis. In addition, the licensee indicated that at power levels less than about 80%, the recirculation pump trip feature is not required to keep peak vessel pressures below the 1500 psig limit during an ATWS event. As noted below, the Dresden Unit 2 reactor power level is about 45% and decreasing.

### EVALUATION

The Staff has reviewed CECO's proposed extension of the date of compliance with our February 21, 1980 Confirmatory Order. The licensee has requested four additional days of operation of Unit 2, to permit more efficient use of CECO's manpower during the end of year holiday season.

Based on our review, we have determined that a four day extension will result in an insignificant risk contribution to the health and safety of the public. There will be no change in the operating mode of Dresden Unit 2 in the four-day period of operation after December 31, 1980. Additionally, because Dresden Unit 2 is at the end of its operating cycle, the reactor power level is restricted by fuel burn-up consideration to less than 45% power. Therefore, the results of an Anticipated Transient without Scram event will be further reduced during the four day period of additional operation allowed by this amendment. We conclude that the additional four-day operation is an insignificant risk contributor to the health and safety of the public and is acceptable.

### ENVIRONMENTAL CONSIDERATIONS

We have determined that this amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that this amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR §51.5(d)(4) that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

### CONCLUSION

We have concluded: (1) because of the amendment does not involve a significant increase in the probability of consequences of accidents previously considered and does not involve a significant decrease in

a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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 to the health and safety of the public.

Date: December 30, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-237COMMONWEALTH EDISON COMPANYNOTICE OF ISSUANCE OF AMENDMENTTO PROVISIONAL OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 53 to Provisional Operating License No. DPR-19, issued to Commonwealth Edison Company, which amended the license for operation of the Dresden Nuclear Power Station, Unit No. 2, located in Grundy County, Illinois. The amendment is effective as of the date of issuance.

The amendment extends from December 31, 1980 to January 4, 1981 the date for compliance with the Commission's February 21, 1980 Confirmatory Order which had previously amended the license to require the installation of a Recirculation Pump Trip by December 31, 1980.

The application for amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of the amendment was not required since the amendment does not involve a significant hazards consideration.

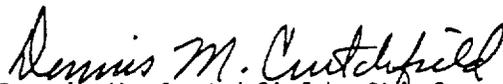
The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of the amendment.

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For further details with respect to this action, see (1) the application for amendment dated December 23, 1980; (2) Amendment No. 53 to Provisional Operating License No. DPR-19 and (3) The Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W. Washington, D.C., and at the Morris Public Library, 604 Liberty Street, Morris, Illinois. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 30th day of December, 1980

FOR THE NUCLEAR REGULATORY COMMISSION

  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing