

DEC 23 1975

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Docket No. 50-265

Commonwealth Edison Company
 ATTN: Mr. R. L. Bolger
 Assistant Vice President
 Post Office Box 767
 Chicago, Illinois 60690

Gentlemen:

The Commission has issued the enclosed Amendment No. 20 to Facility Operating License No. DPR-30 for the Quad Cities Station Unit 2. The amendment is in accordance with your application dated December 17, 1975.

This amendment increases the limit for receipt, possession and use of uranium 235 in connection with operation of the facility from 3000 kilograms to 5000 kilograms.

Copies of the Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

original signed by

Richard D. Silver

Dennis L. Ziemann, Chief
 Operating Reactors Branch #2
 Division of Reactor Licensing

Const

Enclosures:

1. Amendment No. 20
2. Safety Evaluation
3. Federal Register Notice

gms

*I informed G. Phineas
 of CEC on 12/23
 that amendment has
 been signed
 R. Silver*

OFFICE	RL:ORB #2	RL:ORB #2 <i>gms</i>	OELD <i>gms</i>	RL:ORB #2 <i>for</i>		
SURNAME	RMDiggs <i>gms</i>	PWO'Connor <i>gms</i>	F.S. Goller <i>gms</i>	DLZiemann		
DATE	12/22/75 <i>gms</i>	12/24/75	12/22/75	12/23/75		

DEC 29 1975

cc w/enclosures:

Mr. Charles Whitmore
President and Chairman
Iowa-Illinois Gas and
Electric Company
206 East Second Avenue
Davenport, Iowa 52801

John W. Rowe, Esquire
Isham, Lincoln & Beale
Counselors at Law
One First National Plaza
Chicago, Illinois 60670

Anthony Z. Roisman, Esquire
Berlin, Roisman and Kessler
1712 N Street N. W.
Washington, D. C. 20036

Moline Public Library
504 - 17th Street
Moline, Illinois

Mr. Robert W. Watts, Chairman
Rock Island County Board of
Supervisors
Rock Island County Courthouse
Rock Island, Illinois 61201

cc w/enclosures and cy of CECo's
filing dtd. 11/17/75:
Mr. Leroy Stratton
Bureau of Radiological Health
Illinois Department of Public Health
Springfield, Illinois 62706

OFFICE >						
SURNAME >						
DATE >						

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-265

QUAD CITIES UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 20
License No. DPR-30

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Commonwealth Edison Company (the licensee) dated December 17, 1975, 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;
 - E. The receipt, possession, and use of the byproduct and special nuclear materials as authorized by this license amendment will be in accordance with the Commission's regulations in 10 CFR Parts 30 and 70, including 10 CFR Sections 30.33, 70.23, and 70.31; and
 - F. An environmental statement or negative declaration need not be prepared in connection with the issuance of this amendment.
2. Accordingly, Facility License No. DPR-30 is hereby amended by revising Paragraph 2.B to read as follows:

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"2.B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material", to receive, possess, and use at any one time up to 5000 kilograms of contained uranium 235 in connection with operation of the facility;"

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

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by

Richard D. Silver

Dennis L. Ziemann, Chief *for*
Operating Reactors Branch #2
Division of Reactor Licensing

Date of Issuance:

DEC 23 1975

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 20 TO FACILITY LICENSE NO. DPR-30

COMMONWEALTH EDISON COMPANY
AND
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

QUAD CITIES STATION UNIT 2

DOCKET NO. 50-265

INTRODUCTION

By letter dated December 17, 1975, the Commonwealth Edison Company (CECo) requested that the limit for receipt, possession, and use of uranium 235 in connection with the operation of Quad Cities Station Unit 2 be increased from 3000 kilograms to 5000 kilograms. The increase in the possession limit will permit CECo to take delivery of new fuel assemblies that will replace irradiated fuel assemblies presently in the reactor that are scheduled to be removed from the core in the Fall 1976 refueling outage.

EVALUATION

We have evaluated CECo's proposed increase in the possession limit for uranium 235 and have determined that possession of the additional quantity of uranium 235 will not result in any change in the methods of fuel storage at the facility. The additional 2000 kilograms of uranium 235 will be stored in the existing new fuel storage vault and spent fuel pool in the same manner previously described and analyzed in the Final Safety Analysis Report. No modifications are necessary to accommodate the increased quantity of fuel in these storage facilities. The subcriticality of the fuel in storage is assured by the geometrical spacing of the storage racks within the new fuel vault and the spent fuel pool. This spacing results in an effective multiplication factor, k_{eff} , of ≤ 0.90 dry and ≤ 0.95 flooded in the existing new fuel storage vault and a k_{eff} of ≤ 0.90 in the spent fuel pool.

The use of these storage facilities has been previously evaluated by CECo in Section 10 of the Final Safety Analysis Report for Quad Cities Station and approved by the staff in Section 3.8.3 of our August 25, 1971 Operating License Safety Evaluation Report for Quad Cities Station Units 1 and 2.

Because the additional fuel will be stored in conformance with all existing restrictions relating to fuel storage presently contained in the Quad Cities Station Unit 2 Technical Specifications, there will be no change in the level of safety associated with fuel storage at the Quad Cities Station.

We have determined that the 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 the 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 statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the change does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the change 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 the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date:

DEC 23 1975

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-265

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 20 to Facility Operating License No. DPR-30, issued to the Commonwealth Edison Company (acting for itself and on behalf of the Iowa-Illinois Gas and Electric Company), which revised Technical Specifications for operation of the Quad Cities Station Unit 2 (the facility) located in Rock Island County, Illinois. The amendment is effective as of its date of issuance.

This amendment increases the limit for receipt, possession, and use of uranium 235 in connection with operation of the facility from 3000 kilograms to 5000 kilograms.

The application for the 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 this amendment is not required since the amendment does not involve a significant hazards consideration.

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For further details with respect to this action, see (1) the application for amendment dated December 17, 1975, (2) Amendment No. 20 to License No. DPR-30, and (3) the Commission's concurrently issued 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 Moline Public Library, 504 17th Street, Moline, Illinois 60625. A single 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 Reactor Licensing.

Dated at Bethesda, Maryland, this DEC 28 1975

FOR THE NUCLEAR REGULATORY COMMISSION
 Original signed by

Richard D. Silver

Richard D. Silver, Acting Chief
 Operating Reactors Branch #2
 Division of Reactor Licensing

OFFICE	RL:ORB #2	RL:ORB #2	OELD	RL:ORB #2	
SURNAME	RMD [Signature]	PWO' Connor	F.S. GRAP	DLZiemann	
DATE	12/22/75	12/22/75	12/22/75	12/22/75	