

October 30, 1987

Docket No.: STN 50-254

Mr. L. D. Butterfield, Jr.
Nuclear Licensing Manager
Commonwealth Edison Company
Post Office Box 767
Chicago, Illinois 60690

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Dear Mr. Butterfield:

The Commission has filed the enclosed "Notice of Consideration of Issuance of Amendment to Facility Operating License and Opportunity for the Prior Hearing" with the Office of the Federal Register for publication. This notice relates to your request of September 18, 1987 as supplemented by letter dated October 13, 1987, to amend the Technical Specifications to Operating License DPR-29 for Quad Cities Station, Unit 1. The amendment would revise certain license conditions and Technical Specifications in order to provide for Cycle 10 operation of Quad Cities Nuclear Power Station (QCNSP), Unit 1. A notice offering a prior opportunity for hearing is being issued because the nature of the action is too complex for the staff to reach a no significant hazards determination without substantial technical review.

Sincerely,

Daniel R. Muller, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Enclosure:
As stated

cc: See next page

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Mr. L. D. Butterfield, Jr.
Commonwealth Edison Company

Quad Cities Nuclear Power Station
Units 1 and 2

cc:

Mr. Stephen E. Shelton
Vice President
Iowa-Illinois Gas and
Electric Company
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Mr. Richard Bax
Station Manager
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Mr. Nick Kalivianakis
Plant Superintendent
Quad Cities Nuclear Power Station
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Resident Inspector
U. S. Nuclear Regulatory Commission
22712 206th Avenue North
Cordova, Illinois 61242

Chairman
Rock Island County Board
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Rock Island, Illinois 61201

Mr. Michael E. Parker, Chief
Division of Engineering
Illinois Department of Nuclear Safety
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Regional Administrator, Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137



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

UNITED STATES NUCLEAR REGULATORY COMMISSION

COMMONWEALTH EDISON COMPANY

DOCKET NO.: 50-254

NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT

TO FACILITY OPERATING LICENSE AND

OPPORTUNITY FOR PRIOR HEARING

United States Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-29 issued to Commonwealth Edison Company (the licensee), for operation of Quad Cities, Unit 1 located in Rock Island County, Illinois.

Pursuant to 10 CFR 50.90, Commonwealth Edison Company (CECo, the licensee) has proposed an amendment of Facility Operating License DPR-29 which would revise certain license conditions and Technical Specifications (TS) in order to provide for Cycle 10 operation of Quad Cities Nuclear Power Station (QCNPS), Unit 1.

The Unit 1 Reload 9/Cycle 10 replacement reactor fuel is of the GE8x8EB extended burnup fuel design, which has some different mechanical and nuclear features than the Cycle 9 fuel. Although this fuel type has not been employed at QCNPS before, Reload 9 is by and large considered a normal reload with no unusual core features or characteristics. The GE8x8EB fuel design described in Topical Report NEDE-24011-P-A, "General Electric Standard Application for Reactor Fuel" (GESTAR II), has been previously reviewed and approved by the NRC for generic applications and extended burnup operations. Utilization of GE8x8EB fuel was recently approved for other non-CECo plants (e.g., Fitzpatrick, Peach Bottom, Limerick, and Millstone).

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In general, the proposed license amendment would delete certain license conditions and revise the TS to incorporate new Cycle 10 reload fuel operating limits, expand operating domains (including operation with equipment out of service), and change jet pump surveillance core flow evaluation methodology. Proposed TS changes specifically related to the Cycle 10 reload fuel operating limits and analyses include: (a) revising the maximum allowable Linear Heat Generation Rate (LHGR) to be fuel type specific, and establishing a LHGR limit for the new GE8x8EB reload fuel, (b) adding Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) limit curves for the new reload fuel, (c) increasing the Rod Block Monitor (RBM) setpoint, and (d) revising the Minimum Critical Power Ratio (MCPR) limit and associated 20% insertion scram time value. Other TS and license condition changes in this amendment that resulted from analyses performed by GE for CECO to expand the unit operating region, and allow for operation with certain equipment out-of-service include the following: (e) deletion of existing License Condition requirements for Single Loop Operation (SLO) and incorporation of similar SLO requirements into the TS, (f) change the analyzed operating region to include increased core flow (ICF) and feedwater temperature reduction (FTR), (g) revision of the Automatic Pressure Relief Subsystem TS to require action only when two or more relief valves are inoperable, and (h) deletion of the license operating restriction for coastdown to 40% power and coastdown with off-normal feedwater (FW) heating.

Concurrent with the aforementioned TS changes, several administrative and editorial revisions were proposed for continuity. Furthermore, applicable TS bases and references were updated to reflect new information, fuel type, analyses, computer models, operating domains, and Limiting Conditions of Operation (LCOs).

Prior to issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

By December 7, 1987, the licensee may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written petition for leave to intervene. Request for a hearing and petitions for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition

should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter, and the bases for each contention set forth with reasonable specificity. Contentions shall be limited to matters within the scope of the amendment under consideration. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

A request for a hearing or a petition for leave to intervene shall be filed with the Secretary of the Commission, United States Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Branch, or may be delivered to the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. by the above date. Where petitions are filed during

the last ten (10) days of the notice period, it is requested that the petitioner or representative for the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at (800) 325-6000 (in Missouri (800) 342-6700). The Western Union operator should be given Datagram Identification Number 3737 and the following message addressed to Daniel R. Muller: petitioner's name and telephone number; date petition was mailed; plant name; and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to Michael Miller, Isham, Lincoln, and Beale, One First National Plaza, 42nd Floor, Chicago, Illinois 60603, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the Atomic Safety and Licensing Board designated to rule on the petition and/or request, that the petitioner has made a substantial showing of good cause for the granting of a late petition and/or request. That determination will be based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

For further details with respect to this action, see the application for amendment dated September 18, 1987, as supplemented October 13, 1987,

which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C.; the Dixon Public Library, 221 Hennepin Avenue, Dixon, Illinois 61021.

Dated at Bethesda, Maryland this 30th day of October 1987.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "Daniel R. Muller". The signature is written in black ink and is positioned below the typed name of the signatory.

Daniel R. Muller, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects