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Docket No. 50-293

Boston Edison Company
M/C NUCLEAR
ATTN: Mr. J. E. Larson
Nuclear Licensing Administrator -
Operations
800 Boylston Street
Boston, Massachusetts 02199

Gentlemen:

The Commission has filed the enclosed "Notice of Consideration of Modification to Facility Spent Fuel Storage Pool" with the Office of the Federal Register for publication. This notice relates to your requests of December 17, 1975 and January 22, 1976, regarding modification of the Pilgrim Unit 1 Spent Fuel Storage Pool to increase the storage capacity from 900 to 2500 fuel assemblies.

A copy of our Safety Evaluation related to your request will be sent to you and placed in the public document room when it is completed.

Sincerely,

Original signed by
Dennis L. Ziemann

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

Enclosure:
Federal Register Notice

cc w/enclosure:
See next page

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| OFFICE | OR:ORB #2 | OR:ORB #2 | OELD | OR:ORB #2 | |
| SURNAME | RMDiggs:ro | POConnor | <i>D. Ziemann</i> | DLZiemann | |
| DATE | 2/20/76 | 2/20/76 | 4/14/76 | 3/31/76 & 4/15/76 | |

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| | Boston Edison Company | | - 2 - | | APR 15 1976 | DATE SURNAME OFFICE |
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cc w/enclosure:
 Mr. J. A. Smith
 Pilgrim Station Manager
 Boston Edison Company
 BFD #1, Rocky Hill Road
 Plymouth, Massachusetts 02360

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

Plymouth Public Library
 North Street
 Plymouth, Massachusetts 02360

Mr. David F. Tarantino
 Chairman, Board of Selectmen
 11 Lincoln Street
 Plymouth, Massachusetts 02360

cc w/enclosure & cy of 12/17/75
 & 1/22/76 BECo filings:
 Henry Kolbe, M. D.
 Acting Commissioner of Public
 Health
 600 Washington Street
 Boston, Massachusetts 02111

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-293

BOSTON EDISON COMPANY

NOTICE OF CONSIDERATION OF PROPOSED MODIFICATION TO
FACILITY SPENT FUEL STORAGE POOL

The Nuclear Regulatory Commission (the Commission) is considering the approval of a modification to the spent fuel storage pool of Unit 1 of the Pilgrim Nuclear Power Station (the facility) operated under Facility Operating License No. DPR-35 issued to the Boston Edison Company (the licensee). The facility is a boiling-water reactor located near Plymouth, Massachusetts, and is currently authorized to operate at 1998 megawatts (thermal).

The proposed modification being considered involves replacement of the existing racks in the spent fuel storage pool of the facility with racks of a design capable of accommodating up to 2500 fuel assemblies in accordance with the licensee's request dated December 17, 1975, as supplemental by letter dated January 22, 1976. The existing racks have a capacity for storage of 900 fuel assemblies.

If it is later determined that the modification requires changes to the facility Technical Specifications, a license amendment would be issued along with approval of the modification.

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

By *May 16, 1976*, the licensee may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to intervene with respect to the approval of the modification to the subject facility spent fuel storage pool. Petitions for leave to intervene must be filed under oath or affirmation in accordance with the provisions of Section 2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, and the petitioner's contentions with respect to the proposed action. Such petitions must be filed in accordance with the provisions of this FEDERAL REGISTER Notice and Section 2.714, and must be filed with the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, and to Mr. Dale C. Stoodley, Counsel, Boston Edison Company, 300 Boylston Street, Boston, Massachusetts 02199, the attorney for the licensee.

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A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has the right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the licensee's proposal dated December 17, 1975, and the supplement thereto dated January 22, 1976, which are available for public inspection at the Commission's Public Document Room, 1717 H Street N. W., Washington, D. C.

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and at the Plymouth Public Library on North Street in Plymouth, Massachusetts 02360. The Commission's approval and Safety Evaluation, when issued, may be inspected at the above locations and a copy may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, *this 15th day of April, 1976*

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
Dennis L. Ziemann

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

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| OFFICE | OR:ORB #2 | OR:ORB #2 | OELD | OR:ORB #2 | |
| SURNAME | RMDiggs:ro | PO'Connor | | DLZiemann | |
| DATE | 2/20/76 | 2/ /76 | 2/ /76 | 2/ /76 | |

DETERMINATION OF PROPOSED LICENSING AMENDMENT

Licensee: Boston Edison Company

Request for: Increase in the capacity of the spent fuel pool.

Request Date: 12/17/75 and 1/22/76

Proposed Noticing Action: (X) Pre-notice Recommended
() Post-notice Recommended
() Determination delayed pending completion of Safety Evaluation

Basis for Decision: The use of additional neutron poison to maintain the effective multiplication factor as previously analyzed introduces the possibility of a new accident not previously analyzed.

Proposed NEPA Action: () EIS Required
(x) Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required
() No EIS, ND or EIA Required
() Determination delayed pending completion of EIA

Basis for Decision: A negative declaration and an environmental impact appraisal, weighing the five specific factors identified by the Commission in its September 16, 1975 announcement, will be included with the package. This follows the same guidelines used in previous spent fuel pool capacity increases.

Noticing Concurrences:

- Date:
1. P. W. O'Connor *Paul W O'Connor*
 2. D. L. Ziemann *DZ 2/18/76*
 3. K. R. Goller *KRG 3/1/76*
 4. OELD *M. Grossman concurred in Pre-notice (attached) 2/14/76*

Attachment:
Ltr to BG&E w/Notice of Proposed Issuance