

JAN 7 1974

Docket No. 50-293

Boston Edison Company
ATTN: Mr. James M. Carroll
Vice President and
General Counsel
800 Boylston Street
Boston, Massachusetts 02199

Gentlemen:

Your letter dated December 14, 1973, requested five changes to the Technical Specifications of License No. DPR-35, as amended. Specifically, the requested changes would:

1. Allow relief from surveillance requirements on systems or components during periods when these systems are not required to be operable,
2. Allow removal of more than two control rod drives when no fuel is in the reactor vessel,
3. Delete the suppression pool volume requirements when there is no fuel in the reactor vessel,
4. Modify technical specification 4.7.A.2.f, and
5. Delete the limiting condition for operation of SRM operability while unloading the core.

In addition, your letter also requests a revision to Section 2.B of License No. DPR-35 to allow Boston Edison to receive, possess, use, and prepare for shipping up to 13.49 grams of U-235 as sealed sources.

In order to facilitate the prompt review of those changes related to unloading the core, we have deferred action on those technical specification changes numbered 1 through 4 above.

Our review of technical specification change number 5 has been completed and we have determined that the requested change is not acceptable. We feel the requested change could reduce the ability to detect an inadvertent

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approach to criticality during the proposed core alteration. In addition, the proposed change is unacceptable in that it calls for carrying out core alterations in the shutdown mode. This operation is precluded by Section 1.K.3 of the Technical Specifications for the Pilgrim Nuclear Power Station.

Your request to revise Section 2.B of License No. DPR-35 to allow possession of an additional 13.49 grams of U-235 as sealed sources has been reviewed. We have modified your proposed request to conform with the wording currently used by deleting the specific numerical limitations on U-235 used as sealed sources and including these miscellaneous quantities in the total limit of 4100 kilograms of U-235 used in connection with the operation of the facility.

The proposed license amendment, as modified, will not result in the use of U-235 in a manner different than previously authorized or an increased quantity of U-235; therefore, we conclude that operation in the manner authorized by this amendment will not be inimical to the common defense and security, does not involve a significant hazards consideration, and will not endanger the health and safety of the public. The staff Safety Evaluation of this amendment is enclosed.

Accordingly, Amendment No. 2 to License No. DPR-35 is enclosed authorizing the change. A copy of our related notice which is being filed with the Office of the Federal Register for publication also is enclosed.

Sincerely,

Original Signed by
D. J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Enclosures:

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

cc: See next page

JAN 7 1974

cc w/enclosures:

Mr. Dale G. Stoodley, Counsel
Boston Edison Company
800 Boylston Street
Boston, Massachusetts 02199

Mr. J. Edward Howard, Superintendent
Nuclear Engineering Department
Boston Edison Company
800 Boylston Street
Boston, Massachusetts 02199

Mr. Grant Baston, Pilgrim Division Head
Boston Edison Company
RFD #1 Rocky Hill Road
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Plymouth Public Library
North Street
Plymouth, Massachusetts 02360

Mr. L. D. Weislogel
Quality Assurance & Reliability
Manager
RFD #1 Rocky Hill Road
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Mr. Paul Sears
Chairman, Board of Selectmen
Town of Plymouth
Plymouth, Massachusetts 02133

Henry Kolbe, M. D.
Acting Commissioner of Public Health
Massachusetts Department of
Public Health
600 Washington Street
Boston, Massachusetts 02111
(w/cy of BEC's appl. dtd 12/14/73)

Mr. Hans L. Hamster
ATTN: Joan Sause
Office of Radiation Programs
Environmental Protection Agency
Room 647A East Tower, Waterside Mall
401 M Street, S. W.
Washington, D. C. 20460
(w/cy of BEC's appl dtd 12/14/73)

Mr. Wallace Stickney
Environmental Protection Agency
JFK Federal Building
Boston, Massachusetts 02203
(w/cy of BEC's appl dtd 12/14/73)

Distribution

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OFFICE X7403	L:ORB #2 <i>Pull</i>	LLOBB #2 <i>RMDiggs</i>	L:ORB #2 <i>prg</i>	<i>OGC</i>	L:OR
SURNAME	PWO' Connor: <i>sjh</i>	RMDiggs	DLZiemann	<i>F. Gray</i>	DJSkovholt
DATE	1/4/74	1/4/74	1/4/74	1/7/74	1/7/74

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

DOCKET NO. 50-293

Amendment No. 2
License No. DPR-35

The Atomic Energy Commission ("the Commission") has found that:

- A. The application for amendment dated December 14, 1973, complies with the requirements of the Atomic Energy Act of 1954, as amended ("the Act"), and the Commission's Regulations set forth in 10 CFR Chapter I;
- B. 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, and
- C. 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 does not involve a significant hazards consideration.

Accordingly, Facility License No. DPR-35 is hereby amended by revising paragraph 2.B to read as follows:

"B. Pursuant to the Act and 10 CFR 70 - "Special Nuclear Material", to receive, possess, and use at any time up to 4100 kilograms of U-235 in connection with the operation of the facility;"

This amendment is effective as of the date of issuance.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
D. J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

Date of Issuance: JAN 7 1974

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DATE						

UNITED STATES ATOMIC ENERGY COMMISSION
SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

BOSTON EDISON COMPANY

DOCKET NO. 50-293

AUTHORIZATION TO RECEIVE, POSSESS,
AND USE SPECIAL NUCLEAR MATERIAL

Introduction

By letter dated December 14, 1973, Boston Edison requested an amendment to License No. DPR-35 to increase the amount of U-235 possessed as sealed sources from 0.99 gram to 13.49 grams.

Discussion

Section 2.B of License No. DPR-35 authorizes Boston Edison to receive, possess, and use 4100 kilograms of U-235 as fuel assemblies and fuel rods in connection with the operation of the facility. In addition, the license authorizes the receipt, possession, and use of 0.99 gram of U-235 as sealed sources which covers the small amount of U-235 contained in the fission chambers. Boston Edison's request for an increase in the quantity of U-235 allowed as sealed sources is to permit the possession and use of additional fission chambers to monitor the reactor core neutron flux levels during core alterations.

Evaluation

The Regulatory staff has reviewed the above request and has determined that the quantity of U-235 contained in fission chambers and other sealed sources is insignificant in relation to the total allowable quantity of 4100 kilograms of U-235. Since the procedures and safeguards applied to these sealed sources are similar to those used for all U-235 at the facility, we have concluded that there is no reason to identify these sealed sources separately in the license.

Conclusion

We have concluded that the issuance of this amendment does not involve a significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered. Consequently, License No. DPR-35 should be amended to delete the specific numerical limitations on U-235 used as sealed sources and include the miscellaneous quantities in the total limit of 4100 kilograms of U-235 used in connection with the operation of the facility.

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Paul W. O'Connor
Operating Reactors Branch #2
Directorate of Licensing

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

Date: JAN 7 1974

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SURNAME ▶						
DATE ▶						

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-293

BOSTON EDISON COMPANY

NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

Notice is hereby given that the U. S. Atomic Energy Commission ("the Commission") has issued Amendment No. 2 to Facility Operating License No. DPR-35 to the Boston Edison Company to delete the unnecessary restrictive clause in Section 2.B of the license which specifically itemizes each quantity of special nuclear material that may be used in connection with operation of Pilgrim Nuclear Power Station located in Plymouth County, Massachusetts. The amendment, effective as of its date of issuance, permits an increase (from 0.99 to 13.49 grams) in the amount of U-235 which Boston Edison may receive, possess, and use in the form of sealed sources in connection with operation of the facility, but does not increase the presently authorized possession limit, and is granted in accordance with Boston's application dated December 14, 1973.

The Boston Edison Company is the holder of Facility Operating License No. DPR-35 issued by the Commission for possession, use, and operation of the Pilgrim Nuclear Power Station (a boiling water type nuclear power reactor facility) at power levels up to 1998 MWt.

The Commission's Regulatory staff has found that the application complies with the requirements of the Atomic Energy Act of 1954, as

amended, and the Commission's rules and regulations published in 10 CFR Chapter I, and that the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public. The staff also has concluded that this action does not involve a significant hazards consideration since the deletion of the restrictive wording of Section 2.B only permits a slightly greater amount of the U-235 to be in the form of sealed sources and does not alter the previously approved uses and overall quantity of special nuclear material or previously approved facility operations and procedures. Consequently, public notice of proposed issuance of the amendment is not required. The Regulatory staff's evaluation of this action is contained in its Safety Evaluation that was concurrently issued with the amendment.

Copies of the application dated December 14, 1973, Amendment No. 2 to License No. DPR-35, and the Safety Evaluation are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C., and at the Plymouth Public Library on North Street in Plymouth, Massachusetts 02360. Single copies of the license amendment and Safety Evaluation may be obtained upon request addressed to the U. S. Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing.

FOR THE ATOMIC ENERGY COMMISSION

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

JAN 7 1974

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