



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 116  
TO FACILITY OPERATING LICENSE NO. DPR-35  
BOSTON EDISON COMPANY  
PILGRIM NUCLEAR POWER STATION  
DOCKET NO. 50-293

1.0 INTRODUCTION

By letter dated January 14, 1988, Boston Edison Company (BECO) the licensee submitted a request for changes to the Pilgrim Nuclear Power Station Technical Specifications (TS).

The amendment modifies the TS to revise the date for submittal of supplemental dose assessment and meteorological summary information, corrects pagination, section numbers, and titling.

2.0 DISCUSSION

10 CFR 50.36a, Technical Specifications on effluents from nuclear power reactors, requires that a report be submitted within 60 days after January 1 and July 1 of each year specifying the quantity of each of the principal radionuclides released to unrestricted areas in liquid and in gaseous effluents during the previous six months of operation. Submittal of such other information as may be required by the Commission to estimate maximum potential annual radiation doses to the public resulting from the effluent releases is also required.

These requirements are implemented at Pilgrim in TS 6.9.C.1 "Unique Reporting Requirements". The TS provides that the Semi-Annual Radioactive Effluent Release Report (RE&P) be submitted to the Commission within 60 days after January 1 and July 1 of each year specifying the quantity of each of the principal radionuclides released at and beyond the site boundary in liquid and gaseous effluents during the previous 6 months. The format and content of the report shall be in accordance with Appendix B of Regulatory Guide 1.21 (Revision 1) dated June, 1974.

In its January 14, 1988 application, the licensee proposes to modify the TS to allow more time for preparation of a supplemental information report containing dose assessments for the previous year. The licensee notes that the dose assessments can only be performed after completion of radionuclide analyses on samples for the previous calendar year. Thus, the analysis and report generation must be completed in a short time during a period when several other reports are required. Within the content of the January report, an annual dose assessment and meteorological report is also required. The type of analyses conducted for these portions of the reports can only be performed by outside contractors using highly sophisticated and sensitive equipment. Difficulties in obtaining timely test results has led to requests for NRC approval of schedular extensions for supplemental reports in past years.

The requested change would modify the TS to allow for the submission of a supplement to the January Semi-Annual Radioactive Effluent Release Report. The supplement would contain the dose and meteorological summary report, and would be required within 90 days of January 1 each year. Except for one instance, when a contract's computer failed, it is the licensee's experience that a 30-day extension will provide the added time necessary for preparing the annual summaries and estimated dose assessments.

A similar request for this type of scheduler change was granted as Amendment 98 to Yankee Nuclear Power Station Technical Specifications on August 20, 1986.

### 3.0 EVALUATION

The RERR submitted after January 1 of each year and the supplemental information is used by the staff to evaluate the dose to the public from the previous year of operation. As noted in Section 6.9.C.1 of the TS, a detailed breakdown of meteorological data and dose calculations are required.

The staff recognized the burden of completing these analyses within the 60 days specified, and granted a similar relief to Yankee Nuclear Power Station by Amendment 98. The staff has determined that some additional time could be granted for preparation of the supplemental information and, therefore, the staff finds the request to submit a supplemental report, within 90 days after January 1 is acceptable.

Additional changes are administrative and consist of renumbering sections and pagination changes for consistency within the TS. One change eliminates a numbering error. The Offsite Dose Calculation Manual (ODCM) is presently listed as section 6.9.C.3, as is "Special Reports" on page 224. The change consists of renumbering the ODCM section to 6.9.C.1.b and retitling section 6.9.C.1 as "Semi-Annual Radioactive Effluent Release Report". Also, on page 223a, the portion of the last paragraph of section 6.9.C.2 "Annual Radiological Environmental Monitoring Report" is being moved to page 223, allowing the elimination of page 223a.

These changes are administrative in nature, reduce confusion within the TS and, therefore, are acceptable.

The staff's proposed no significant hazards consideration published in the FR on February 24, 1988 provided opportunity for public comment of this information.

### 4.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to recordkeeping, reporting or administrative procedures or requirements. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has

previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

#### 5.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) 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.

#### 6.0 ACKNOWLEDGEMENT

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Date: May 10, 1988