

Docket File  
50-293

JAN 23 1976

Docket No. 50-293

Boston Edison Company  
ATTN: Mr. J. E. Howard  
Vice President - Nuclear  
800 Boylston Street  
Boston, Massachusetts 02199

Gentlemen:

The Commission is completing an evaluation of your Environmental Technical Specifications (Appendix B to Facility License No. DPR-35 for Pilgrim Nuclear Power Station) as they may be affected by the Commission's Regulatory Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants", issued for comment in December 1975. We have determined that the Environmental Technical Specification should be amended, and a summary of our recommended additions in the area of radiological environmental monitoring is enclosed for your information. A copy of Regulatory Guide 4.8 is also enclosed.

If you have reason to believe that any of these additions should not be made, please advise this office of your objections (and reasons therefor) by January 30, 1976.

Sincerely,

*LS*

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

Enclosures:  
As stated

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Boston Edison Company

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Preliminary Recommendations for Modifications  
In Pilgrim Unit 1 Operational Radiological  
Environmental Monitoring Program

The following changes are recommended to be made in the Pilgrim Unit 1 Operational Radiological Environmental Monitoring Program. These recommendations are preliminary in nature, and are made to make this program responsive to Regulatory Guide 4.8, 'Environmental Technical Specifications for Nuclear Power Plants', December 1975.

It should also be noted that certain program elements currently being conducted by the Boston Edison Company are not part of the current NRC recommendations and are considered to be optional.

- . Airborne Particulates: composite samples should be made for quarterly gamma isotopic and Sr-89,90 analyses
- . Radioiodine: charcoal cannisters should be used instead of felt impregnated with charcoal
- . Soil Sampling: a soil sampling and analysis program should be initiated as per Regulatory Guide 4.8
- . Surface Water: a control sampling station should be established for this medium, composite samples should be taken rather than monthly grab samples, quarterly sampling and analysis for H-3, Sr-89,90 should be initiated
- . Marine Sediment: Sr-90 analysis should be initiated
- . Milk: sampling and analysis for I-131 (at 0.5 pCi/l sensitivity) should be biweekly; and gamma isotopic, Sr-89,90 analyses should be performed monthly
- . Fruits and Vegetables: I-131 analysis should be performed on green leafy vegetables
- . Meat and Poultry: a sampling program should be initiated

The following items are not required or are required on a less frequent basis by Regulatory Guide 4.8

- . Airborne Particulates: gross gamma analysis is optional
- . Precipitation Sampling and Analysis is optional
- . Direct Radiation: NRC recommends quarterly rather than monthly analyses
- . Ground Water: gross beta, gross gamma, I-131, Sr-90, H-3 analyses are optional
- . Aquatic Sediment: gross beta and gross gamma analyses are optional
- . Fish and Invertebrates: gross beta, gross gamma, I-131 and Sr-90 analyses are optional
- . Fruits and Vegetables: gross beta, gross gamma, Sr-90 and Cs-137 analyses are optional