
Item B-1: Environmental Technical Specifications (2)

DESCRIPTION

Current NRC regulations and practice require that certain operating requirements (Technical Specifications) be made part of each operating license. These Technical Specifications comprise an Appendix A which deals with safety features and an Appendix B which deals with environmental concerns. The non-radiological portion of Appendix B is traditionally derived from information in the FES and other relevant sources. They are proposed by the applicant and reviewed and approved by the staff on a case-by-case basis. Based on several years of staff experience with facility licensing and a better understanding of EPA and NRC responsibilities in the area of water quality regulation, it is believed that the development of Standardized Environmental Technical Specifications (SETS) is appropriate and will result in: (1) more efficient use of staff and applicant resources, and (2) more uniform requirements and performance standards for licensees. This NUREG-0471¹ task will include development of ETS for three scheduled plants, Three Mile Island 2 and McGuire 1 and 2, to be used as models for the development of SETS, and coordination with the Advisory Committee on Standardized Environmental Technical Specifications and with the Office of Standards Development in the development of Regulatory Guide 1.48.² The final product will be SETS published either as a NUREG report or as part of Regulatory Guide 1.48.³

CONCLUSION

A memorandum on the subject addressed in this issue was sent to several Office Directors from the Director, NRR, on April 14, 1980 with an example of an application to a specific plant. The standard environmental protection plan developed has been applied to a number of operating nuclear power plants and implementation for additional plants is contemplated.⁴ Thus, this Environmental issue has been resolved.

¹ NUREG-0371, "Task Action Plans for Generic Activities (Category A)," U.S. Nuclear Regulatory Commission, November 1978.

² Regulatory Guide 1.48, "Design Limits and Loading Combinations for Seismic Category 1 Fluid System Components," U.S. Atomic Energy Commission, May 1973. [7907100195]

³ Regulatory Guide 1.48, "Design Limits and Loading Combinations for Seismic Category 1 Fluid System Components," U.S. Atomic Energy Commission, May 1973. [7907100195]

⁴ Memorandum for T. Speis from J. Funches, "Prioritization of Generic Issues—Environmental and Licensing Improvements," February 24, 1983. [8303090540]

Item B-2: Forecasting Electricity Demand

DESCRIPTION

This NUREG-0471⁵ task involves efforts directed at improving the NRC staff's capability to forecast electricity demand for the purpose of evaluating applicants' needs for power forecasts in individual licensing cases.

The task will include: (1) developing the capability of forecasting electricity demand on a regional basis; (2) a reexamination of the NRC's current licensing approach to the need for power issue; and (3) an analysis and comparison of the economic penalties of having a plant come on line sooner than needed versus having the plant come on line later than needed.

CONCLUSION

This Environmental issue has been resolved⁶ with the publication of the following documents: (1) Regulatory Guide 4.2,⁷ Rev. 2, Chapter 1 on "Purpose of the Proposed Facility and Associated Transmission," July 1976;

- (2) NUREG/CR-0022⁸; NUREG/CR-0250⁹; Section 8 of NUREG-0555¹⁰; (5) Part III of NUREG-0398¹¹; (6) NUREG/CR-2692¹²; and (7) NUREG-0942.¹³

⁵ NUREG-0471, "Generic Task Problem Descriptions (Categories B, C, and D)," U.S. Nuclear Regulatory Commission, June 1978.

⁶ Memorandum for T. Speis from J. Funches, "Prioritization of Generic Issues—Environmental and Licensing Improvements," February 24, 1983. [8303090540]

⁷ Regulatory Guide 4.2, "Preparation of Environmental Reports for Nuclear Power Stations," U.S. Nuclear Regulatory Commission, July 1976. [7908310195]

⁸ NUREG/CR-0022, "Need for Power: Determination in the State Decisionmaking Process," U.S. Nuclear Regulatory Commission, March 1978.

⁹ NUREG/CR-0250, "Regional Econometric Model for Forecasting Electricity Demand by Sector and State," U.S. Nuclear Regulatory Commission, October 1978.

¹⁰ NUREG-0555, "Environmental Standard Review Plans for the Environmental Review of Construction Permit Applications for Nuclear Power Plants," U.S. Nuclear Regulatory Commission, May 1979.

¹¹ NUREG-0398, "Federal-State Cooperation in Nuclear Power Plant Licensing," U.S. Nuclear Regulatory Commission, March 1980.

¹² NUREG/CR-2692, "An Integrated System for Forecasting Electric Energy and Load for States and Utility Service Areas," U.S. Nuclear Regulatory Commission, May 1982.

¹³ NUREG-0942, "Conducting Need-for-Power Review for Nuclear Power Plants," U.S. Nuclear Regulatory Commission, December 1982.

Item B-3: Forecasting Electricity Demand
