

## SAFETY GUIDE 28

### QUALITY ASSURANCE PROGRAM REQUIREMENTS (DESIGN AND CONSTRUCTION)

#### A. Introduction

Appendix B to 10 CFR Part 50, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," establishes quality assurance requirements for the design and construction of nuclear power plant structures, systems, and components. This safety guide describes an acceptable method of complying with the Commission's regulations with regard to overall quality assurance program requirements.

#### B. Discussion

Subcommittee N45-3, "Nuclear Quality Assurance Standards," (formerly ad hoc Committee N45-3.7) of the American National Standards Institute, Standards Committee N45, "Reactor Plants and Their Maintenance," under the sponsorship of the American Society of Mechanical Engineers, has developed a standard which includes general requirements and guidance for the establishment and execution of quality

assurance programs during the design and construction phases of nuclear power plants. This standard was approved by the American National Standards Committee N45 and its Secretariat, and it was subsequently approved and designated N45.2-1971 by the American National Standards Institute on October 20, 1971.

#### C. Regulatory Position

The general requirements and guidelines for establishing and executing a quality assurance program during the design and construction phases of nuclear power plants which are included in ANSI N45.2-1971, "Quality Assurance Program Requirements for Nuclear Power Plants,"<sup>1</sup> are generally acceptable and provide an adequate basis for complying with the program requirements of Appendix B to 10 CFR Part 50.

<sup>1</sup>Copies may be obtained from the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, N.Y. 10017.