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# REGULATORY GUIDE

DIRECTORATE OF REGULATORY STANDARDS

## REGULATORY GUIDE 1.39

### HOUSEKEEPING REQUIREMENTS FOR WATER-COOLED NUCLEAR POWER PLANTS

#### A. INTRODUCTION

Appendix B to 10 CFR Part 50, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," requires that activities affecting quality be accomplished under suitably controlled conditions (e.g., suitable environmental conditions for accomplishing the activity). This guide describes an acceptable method of complying with the Commission's regulations with regard to housekeeping<sup>1</sup> requirements for the control of work activities, conditions, and environments at water-cooled nuclear power plant sites. The Advisory Committee on Reactor Safeguards has been consulted concerning this guide and has concurred in the Regulatory position.

#### B. DISCUSSION

Working Group N45-2.3 (formerly ad hoc committee N45-3.3) of the American National Standards Institute (ANSI) Standards Committee N45, Reactor Plants and Their Maintenance, has prepared a standard which defines the housekeeping requirements for the control of work activities, conditions, and environments that could affect the quality of a nuclear power plant during the construction phase. This standard was approved by Subcommittee N45-2, Nuclear Quality Assurance Standards, of the ANSI Standards Committee

<sup>1</sup>Housekeeping encompasses all activities related to control of cleanness of facilities, cleanness of material and equipment, fire prevention and fire protection including disposal of combustible materials and debris, control of access, and protection of materials.

N45 and the full committee and its Secretariat. It was subsequently approved and designated N45.2.3-1973 by the American National Standards Institute on March 15, 1973.

#### C. REGULATORY POSITION

The requirements and guidelines for the control of work activities, conditions, and environments at water-cooled nuclear power plant sites which are included in ANSI Standard N45.2.3-1973, "Housekeeping During the Construction Phase of Nuclear Power Plants,"<sup>2</sup> are generally acceptable and provide an adequate basis for complying with the pertinent quality assurance requirements of Appendix B to 10 CFR Part 50, subject to the following:

1. Subdivision 1.5 of ANSI N45.2.3-1973 states that other documents that are required to be included as a part of this standard are either identified at the point of reference or identified in Paragraph 5 of the standard. The specific applicability or acceptability of these listed guides and standards has been or will be covered separately in other regulatory guides or in Commission regulations, where appropriate.

2. Although subdivision 1.1 of ANSI N45.2.3-1973 states that the requirements promulgated apply during the construction phase of a nuclear power plant, these requirements should also be considered applicable for housekeeping during the operation phase of a nuclear power plant.

<sup>2</sup>Copies may be obtained from the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, N.Y. 10017.

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Copies of published guides may be obtained by request indicating the divisions desired to the U.S. Atomic Energy Commission, Washington, D.C. 20545. Attention: Director of Regulatory Standards. Comments and suggestions for improvements in these guides are encouraged and should be sent to the Secretary of the Commission, U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Chief, Public Proceedings Staff.

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