

R.G. 1.38, Rev. 3

Preliminary Value Impact Statement on Regulatory Guide 1.38, Rev 3,
"Quality Assurance Requirements for Packaging, Shipping,
Receiving, Storage, and Handling of Items for Nuclear Power Plants"

I. The Proposed Action

A. Description

Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," establishes overall quality assurance requirements for the design, construction, and operation of safety-related structures, system and components of nuclear power plants. The proposed regulatory guide describes a method acceptable to the NRC staff for complying with the Commission's regulations for the packaging, shipping, receiving, storage, and handling of items for nuclear power plants.

B. Need for the Proposed Action

Existing guidance on quality assurance requirements for packaging, shipping, receiving, storage, and handling of items for nuclear power plants is contained in Regulatory Guide 1.38, Rev. 2 which endorses ANSI N45.2.2-1972, "Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and

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Handling of Items for Nuclear Power Plants During the Construction Phase". Revision 1 to ANSI N45.2.2-1972 has been approved and designated ANSI/ASME N45.2.2-1978.

Current NRC guidance should be updated to establish an NRC position on the revised approved national standard.

C. Value/Impact of the Proposed Action

1. NRC

The NRC staff has been involved in the development, review and approval of the revised national standard. The proposed action will establish an NRC position by taking advantage of previous staff effort in conjunction with approval of the revised national standard and, therefore, will have minimal impact.

2. Other Government Agencies

Not applicable, unless the government agency is an applicant, such as TVA.

3. Industry

The proposed action establishes an NRC position to an existing national standard and, therefore, reduces uncertainty as to what the staff considers acceptable in the area of quality assurance requirements for packaging, shipping, receiving,

storage and handling of items for nuclear power plants. Most of the impact on industry has already been accomplished in conjunction with development, review and approval of the national standard. Additional impact associated with endorsement of the standard should be minimal.

4. Workers (relative to ALARA)

Not applicable.

5. Public

No impact on the public can be foreseen.

Regulatory Position 1 provides information to the user of the guide concerning applicability of referenced standards and has no impact.

Regulatory Position 2 clarifies the requirements of section 4, "Shipping," of the standard noting that nothing in that section of the standard should be deemed to require common or contract carriers transporting byproduct, source or special nuclear material in the ordinary course of its business to comply with the provisions set forth in the standard. This was a position in Revision 2 to Regulatory Guide 1.38, and including this position in Revision 3 to Regulatory Guide 1.38 should have no impact.

Regulatory Position 3 clarifies the requirement for vapor barrier material to be of a contrasting color to the equipment on which it is used. This was a position in Revision 2 to Regulatory Guide 1.38, and including this position in Revision 3 to Regulatory Guide 1.38 should have no impact.

D. Decision on the Proposed Action

As previously stated, guidance should be issued on the revised quality assurance requirements for packaging, shipping, receiving, storage and handling of items for nuclear power plants.

II. Technical Approach

This section is not applicable to this statement since the proposed action is an endorsement of a recently approved and issued national standard. The technical issues have been previously discussed.

III. Procedural Approach

Previously discussed.

IV. Statutory Considerations

A. NRC Authority

This guide would fall under the authority and safety requirements of the Atomic Energy Act. In particular, Criterion XIII

of Appendix B to 10 CFR Part 50 establishes quality assurance requirements for handling, storage and shipping of safety-related structures, systems and components for nuclear power plants.

B. Need for NEPA Assessment

The proposed action is not a major action, as defined by 10 CFR Part 51.5(a)(10), and does not require an environmental impact statement.

V. Relationship to Other Existing or Proposed Regulation or Policies

No conflicts or overlaps with requirements promulgated by other agencies are foreseen. Implementation of the proposed action in discuss in Section D of the proposed guide.

VI. Summary and Conclusion

Revision 3 to Regulatory Guide 1.38 on quality assurance requirements for packaging, shipping, receiving, storage, and handling of items for nuclear power plants should be issued.