



NUCLEAR ENERGY INSTITUTE

Alexander Marion
DIRECTOR, ENGINEERING
NUCLEAR GENERATION DIVISION

November 22, 2002

Mr. John N. Hannon
Chief, Plant Systems Branch
Office of Nuclear Reactor Regulation
Mail Stop O11-A11
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: Revision 1 to NEI 02-01, *Condition Assessment Guidelines: Debris Sources Inside PWR Containments*

PROJECT NUMBER: 689

Dear Mr. Hannon:

Enclosed is a copy of Revision 1 to NEI 02-01, *Condition Assessment Guidelines: Debris Sources Inside PWR Containments*. The revision includes clarifications to guidance, incorporates lessons learned from completed walkdowns and identifies additional items that may be surveyed as part of containments walkdowns to maximize their benefit. The revisions were discussed in a public meeting with your staff on August 29, 2002.

The revisions were incorporated in response to:

- Requests received from utilities to clarify guidance contained in NEI 02-01,
- Comments offered by NRC, and
- The desire to share lessons learned from plants that applied NEI 02-01 guidance during Spring 2002 outages.

A brief summary of the revisions to NEI-02-01 is provided in Table 1.

Mr. John N. Hannon
November 22, 2002
Page 2

Please contact John Butler 202-739-8108, jcb@nei.org, or me if you have any questions on this transmittal.

Sincerely,

A handwritten signature in cursive script, appearing to read "Alex Marion".

Alexander Marion

JCB/maa
Enclosure

c: Mr. Ralph E. Architzel, U. S. Nuclear Regulatory Commission
Mr. John Lehning, III, U. S. Nuclear Regulatory Commission
Mr. John G. Lamb, U. S. Nuclear Regulatory Commission

Table 1
NEI-02-01 - Summary of Changes from Revision 0

Page	Modification Description
4	Last paragraph under Section 4, "Scope," clarified the recommendation that, "as a minimum, all plants perform a containment walkdown to confirm that materials and quantities of materials are consistent with current plant design."
5	Text immediately under Section 5, "PWR Containment Debris Source Assessment," clarified the recommended action of performing a containment walkdown to "support . . . identification of insulation used inside containment, evaluation of coatings used inside containment and foreign materials evaluation for the containment."
5	Added Section 5.1.1, "Terminology," to define the terms "debris," "zone of destruction," and "zone of influence" for the purposes of NEI-02-01.
6	Under the topic of "Licensing Basis for Sump," clarified that plants may need to consider design basis events other than LOCA if recirculation from the containment sump is included in the mitigation of those events.
7	Under Item 1 of Section 5.1.4, "Selection of Regions of Containment for Detailed Walkdown," clarified that plants may need to consider design basis events other than LOCA if recirculation from the containment sump is included in the mitigation of those events.
7	Amended Item 3 of Section 5.1.4, "Selection of Regions of Containment for Detailed Walkdown," to clarify an appropriate Zone of Destruction is to be selected.
7	Added Item 5 of Section 5.1.4, "Selection of Regions of Containment for Detailed Walkdown," to clarify that secondary destruction effects should be included in the inspection plan.
7	Amended Footnote 10 to clarify the intervening structures that are to be addressed as part of walkdowns performed under NEI-02-01.
10	Amended the text in Section 5.2.1.4, "Where to Look," to address areas potentially affected by opening in the crane or bioshield wall.
10-11	Amended the text in Section 5.2.1.5, "Documentation," following the listing of component types to clarify the intervening structures that are to be addressed as part of the walkdowns and information required for insulation jacketing.
12-13	Amended the text under Section 5.2.2.1, "Why Look at Coatings," to clarify the treatment of coatings not identified as "acceptable" or "DBA qualified" as potential debris sources.
14	Amended the text of Section 5.2.2.5, "Documentation," to clarify the documentation of coatings used inside containment.
14-15	Amended the text of Section 5.2.2.6, "Sources of Plant Coatings Documentation," to clarify the use of other programs to develop coatings documentation.
17-19	Added Section 5.2.4, "Additional Considerations," to provide guidance on documenting observations of other potential debris sources and issues associated with containment sump performance including, "Debris Sources from Containment Spray," "Containment Flowpaths," and "Sump Condition Assessment."
21-23	Added Appendix A, "Application Experience." Topics presented include, "Information Collection and Walkdown Preparation," "Considerations in Performing a Containment Walkdown," "Sample of Results," and "Lessons Learned."