



CHEM-NUCLEAR SYSTEMS, INC.

140 Stoneridge Drive • Columbia, South Carolina 29210

November 3, 1993
RA-0740-93

Robert Baer
Chief - Sealed Source and Devices Branch
U.S. Nuclear Regulatory Commission
One White Flint North Building
11555 Rockville Pike
Rockville MD 20852
Washington, DC 20555

References: (1) Docket No. 71-0231 (CNSI QA Plan)

Subject: Revision of the Chem-Nuclear Systems, Inc.
Quality Assurance Program

Dear Mr. Baer:

Revision 7 of the Chem-Nuclear Systems, Inc., Quality Assurance Program is enclosed for your review and approval pursuant to 10 CFR 50.55, Paragraph (f), 10 CFR 71.101, Paragraph (f), and 10 CFR 72.140, Paragraph (d). Revision 7 supersedes Revision F of the Chem-Nuclear Systems, Inc. (CNSI) Quality Assurance (QA) Program and is a general update to the CNSI QA Program.

The following is a summary of key improvements included in Revision 7 of the CNSI QA Program:

- **Policy Statement** - The FORWARD has been replaced with a Policy Statement, communicating a stronger commitment to Quality, fully supported by the President of CNSI.
- **Organization** - Section 1.0 has been updated consistent with current CNSI organization and activities.
- **Procedure Review and Approval Process** - Process Improvement Team recommendations, part of CNSI Total Quality initiative, have been incorporated in Sections 2 and 5 addressing revised Safety Review Board (SRB), Procedure Owner, preparer and reviewer roles and responsibilities.
- **Graded Approach** - CNSI's application of the Graded Approach based on importance to safety is more clearly addressed.
- **SRB Membership** - Section 2.0 was expanded to include a discussion of the membership of the CNSI Safety Review Board.
- **Procedure Listing (Appendix B)** - A list of QA Program implementing procedures is provided in appendix B and referenced in paragraph 2.3.1.
- **Computer Software Controls** - Computer Software Controls have been added in paragraphs 3.8 and 3.9.

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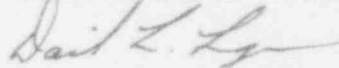
- **Important to Safety Terminology** - Terminology such as "quality affecting", "quality related", "safety related", etc., has been replaced throughout the QA Program with "Important to Safety".
- **QA Emphasis on Independent Oversight** - Throughout the QA Program, QA redundant in-line reviews and approvals (such as review and approval of all procedures, review of engineering documents, etc.) have been deleted, allowing QA to focus on independent oversight and placing responsibility with the implementing organization.
- **Clarification, editorial corrections, and procedural level detail** - The program has been enhanced throughout by clarifications and editorial corrections. Details more appropriately addressed in procedures were also deleted, e.g. use of ECOs (Engineering Change Orders) for design changes
- **Glossary** - Appendix C, Glossary of Terms, was added.

Revision 7 of the CNSI QA Program provides equivalent or enhanced QA Program commitments, assuring continuing compliance with 10 CFR 71, Subpart H, 10 CFR 72, Subpart G, and 10 CFR 50, Appendix B. These program improvements provide an enhanced level of confidence in both our program and our products. This revision of the CNSI QA Program is implemented as of October 25, 1993.

If you have any questions or comments regarding this submittal, please contact me at 803/758-1851.

Sincerely,

CHEM-NUCLEAR SYSTEMS, INC.



David L. Langan
Director, Quality Assurance

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Enclosure

c: J. Jankovich M. Cole
 J. Schneider M. Ryan
 J. Spraul