



Department of Energy
Washington, DC 20585

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Mr. John J. Linehan, Director
Repository Licensing and Quality Assurance
Project Directorate
Division of High-Level Waste Management
Nuclear Materials Safety and
Safeguards Division
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Linehan:

Enclosed is Revision 2 of the Quality Assurance Requirements (QAR) document (Enclosure I) for your review and acceptance.

Revision 2 of the QAR was produced principally to address the consolidation of the Quality Assurance (QA) program requirements for the Civilian Radioactive Waste Program to include the Waste Form Producers (WFP).

The QAR has been restructured to provide a more uniform basis for program quality. NQA-1 requirements applicable to all aspects of the RW program are retained in Sections 1-18, while unique requirements and amplifications for the different Program Elements are moved to the appendices. Specific requirements for Mined Geologic Disposal System (MGDS) are contained in Appendix A and Waste Form Producer activities in Appendix B. Appendices C and D are reserved for Transport of Spent Fuel and High-Level Nuclear Waste and Monitored Retrievable Storage, respectively.

An annotated version of the revised QAR illustrating the changes between Revisions 1 and 2 is attached (Enclosure II) for your convenience.

Quality Assurance requirements unique to the WFPs were formerly identified in OGR/B-14, "Quality Assurance Requirements for High Level Waste Form Production." OGR/B-14 has been superseded and replaced by this revision of the QAR. The QA requirements unique to WFPs have been incorporated into Appendix B. A matrix that illustrates how the requirements, Section 5, of OGR/B-14 were incorporated is presented in Enclosure III. The resultant resolutions of the previous NRC comments on the requirements section of OGR/B-14 are provided in Enclosure IV. It is felt that these NRC comments have been adequately addressed.

This revision has also incorporated the principal substance of the NRC approved Appendix H of NNWSI/88-9 to govern computer software quality in design applications. The appendix has been incorporated into QAR Section 3.3. Due to the format of NNWSI/88-9 editorial changes have been made to blend the document into the QAR.

Other significant QAR changes are addressed in the following enclosures:

- V This enclosure addresses the incorporation of an open item cited in a letter from the Nuclear Regulatory Commission, Division of High-Level Waste Management, Repository, Licensing, and Quality Assurance Project Directorate, on May 8, 1989. The subject of the letter was the review of Revision 1 of the OCRWM QAR and the results of the Safety Evaluation.
- VI This enclosure provides the justification of the changes made in QAR, Section 2 "Graded Quality."
- VII Matrix comparing the Quality Assurance Requirements of the QAR to the Nuclear Regulatory Commission Standard Review Plan, Revision 2, Quality Program elements.

Great care has been exercised to ensure that the commitments endorsed in Revision 1 of the OCRWM QAR have been maintained.

Should your office have any questions or require further information in support of your review, please contact the Office of Quality Assurance at 586-5851 or myself at 586-1462.

Sincerely,



for Gordon Appel, Chief
Licensing Branch
Office of Systems Integration
and Regulations
Office of Civilian Radioactive
Waste Management

Enclosures

cc:

S. Rousso, RW-1
F. Peters, RW-2
M. Senderling, RW-3
P. Narducci, CER