February 17, 2010

MEMORANDUM TO:	Eric Oesterle, Acting Chief Mixed Oxide and Uranium Deconversion Branch Special Projects and Technical Support Directorate Division of Fuel Cycle Safety and Safeguards Office of Nuclear Material Safety and Safeguards
FROM:	Sabrina Cleavenger **/RA/** Mixed Oxide and Uranium Deconversion Branch Special Projects and Technical Support Directorate Division of Fuel Cycle Safety and Safeguards Office of Nuclear Material Safety and Safeguards
SUBJECT:	PUBLIC MEETING WITH FUEL CYCLE INDUSTRY REPRESENTATIVES TO DISCUSS QUALITY ASSURANCE REQUIREMENTS FOR URANIUM ENRICHMENT FACILITIES
DATE & TIME:	March 1, 2010 1:00 P.M.– 2:00 P.M.
LOCATION:	U.S. Nuclear Regulatory Commission (NRC) Executive Boulevard Building EBB-1-B13 6003 Executive Boulevard Rockville, MD 20852
CONFERENCE:	1-888-955-8963, Passcode: 30350
PURPOSE:	The purpose of this meeting is to offer a forum in which representatives of the uranium enrichment industry can discuss challenges related to quality assurance (QA) guidance for safety reviews of uranium enrichment facilities and identify any areas in which enhanced direction is needed.
CONTACT:	Sabrina Cleavenger, NMSS/FCSS 301-492-3204

CATEGORY: This is a Category 2 meeting. The public is invited to participate in this meeting by discussing regulatory issues with the NRC at designated points identified on the agenda.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in this meeting (e.g., sign language), or need this meeting notice or other information from the meeting in another format (e.g., Braille, large print), please notify the NRC's meeting contact listed below by February 22, 2010, so that arrangements can be made.

PARTICIPANTS: NRC and external stakeholders, including members of NEI, industry representatives, consultants to the nuclear industry, and any interested members of the public.

Enclosures:

1. Meeting Agenda
2. Handout: PUBLIC MEETING ON QUALITY ASSURANCE REQUIREMENTS FOR URANIUM ENRICHMENT FACILITIES

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AGENDA
FOR PUBLIC MEETING WITH FUEL CYCLE INDUSTRY REPRESENTATIVES
TO DISCUSS QUALITY ASSURANCE REQUIREMENETS FOR URANIUM
ENRICHMENT FACILITIES
Monday, March 1, 2010
1:00 – 2:00 p.m.

1.	Introduction	NRC
2.	Purpose	NRC
3.	Overview of NRC Quality Assurance Requirements for Uranium Enrichment Facilities	NRC
4.	Industry Feedback	NEI
5.	Public Comments and Questions	
6.	Summary	NRC

PUBLIC MEETING ON QUALITY ASSURANCE REQUIREMENTS FOR URANIUM ENRICHMENT FACILITIES

MEETING PURPOSE:

The purpose of this meeting is to follow up on feedback received from uranium enrichment facility stakeholders during a 2009 Commission briefing. During the briefing, stakeholders indicated need for improved quality assurance (QA) guidance for safety reviews.

REGULATORY REQUIREMENTS:

10 CFR 70.65, "Additional content of applications," requires that applications for a license under Part 70 include "Information that demonstrates the licensee's compliance with the performance requirements of § 70.61, including a description of the management measures."

Management measures are the functions performed by the licensee, generally on a continuing basis, that are applied to items relied on for safety (IROFS), to ensure the items are available and reliable to perform their functions when needed. Management measures include (1) Configuration management, (2) Maintenance, (3) Training and qualifications, (4) Procedures, (5) Audits and Assessments, (6) Incident Investigations, (7) Records Management, and (8) Other QA Elements.

GUIDANCE DOCUMENTS:

NUREG 1520, "Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility," provides guidance to the NRC staff for the review of license applications for uranium enrichment facilities.

NUREG 1520 discusses expectations for level of detail and content of applicants' management measures and provides a checklist for evaluating the application of other QA elements. The NUREG states that the applicant may describe its application of QA elements in the form of a QA program (i.e., a QA program document or QA plan). These QA elements include the following areas: (1) Applicant Organization, (2) Application of QA Elements (graded QA controls, etc), (3) Design Control, (4) Procurement Document Control, (5) Identification and Control of IROFS, (6) Instructions, Procedures, and Drawings, (7) Document Control, (8) Control of Purchased IROFS, (9) Control of Special Processes (welding, heat treating, etc), (10) Inspections, (11) Tests, (12) Control of Measuring and Test Equipment, (13) Handling, Storage, and Shipping, (14) Inspection, Test, and Operating Status, (15) Nonconforming IROFS, (16) Corrective Action (conditions adverse to safety), (17) Quality Assurance Records for IROFS, and (18) Audits.

LINK TO APPENDIX B TO 10 CFR PART 50:

The "other QA elements" of management measures are closely related to the 18 criteria of Appendix B to 10 CFR Part 50 and may be applied to IROFS in a graded approach in accordance with each IROFS' safety significance.

Uranium enrichment facility applicants are not required to comply with the requirements of Appendix B unless they make a commitment to do so in their license application and the commitment becomes a condition of the license. Only fuel fabrication facilities that process plutonium are required to comply with Appendix B and submit and implement an Appendix B QA Program.

SUMMARY:

Uranium enrichment facility applications must contain a description of the management measures that will be applied to IROFS. Management measures include "other QA elements," a description of which may be submitted in the form of a Quality Assurance Program Description (QAPD), if the applicant wishes to do so.

In summary, there are two options for QA content submission for uranium enrichment facility applications:

Option 1

1) Description of Management Measures:

- Configuration management
- Maintenance
- Training and qualifications
- Procedures
- Audits and Assessments
- Incident Investigations
- Records Management
- **Other QA Elements**

Option 2

1) Description of Management Measures:

- Configuration management
- Maintenance
- Training and qualifications
- Procedures
- Audits and Assessments
- Incident Investigations
- Records Management

2) QA Program Description