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When Separated from Enclosure 3, handle this memorandum as non-sensitive

March 7, 2007

MEMORANDUM TO: Joseph G. Giitter, Deputy Director
Special Projects and Technical
Support Directorate
Division of Fuel Cycle Safety
and Safeguards

THRU: Stewart Magruder, Chief
MOX Branch \RA\
Special Projects and Technical
Support Directorate, FCSS

FROM: David Tiktinsky, Sr. Project Manager
MOX Branch \RA\
Special Projects and Technical
Support Directorate, FCSS

SUBJECT: SUMMARY OF THE KICKOFF MEETING WITH SHAW AREVA MOX
SERVICES ON THE INTEGRATED SAFETY ANALYSIS SUMMARY
AND MANAGEMENT MEASURES TECHNICAL REVIEW FOR THE
MIXED OXIDE FUEL FABRICATION FACILITY TO BE BUILT NEAR
AIKEN, SC

On February 21, 2006, Nuclear Regulatory Commission (NRC) staff met with representatives from Shaw AREVA MOX Services (MOX Services) to kickoff the review of the Integrated Safety Analysis Summary and Management Measures for the Mixed Oxide Fuel Fabrication Facility (MFFF). The meeting was closed to the public, due to the sensitive nature of the information that was discussed. Please see the enclosed meeting summary for more details (Enclosure 1). The meeting attendance list is also enclosed (Enclosure 2). The meeting summary does not contain any proprietary or security related information. I have also enclosed the handouts provided by MOX Services during the meeting (Enclosure 3). Enclosure 3 contains proprietary or security related information and is being withheld from public release.

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Enclosures:

1. Meeting Summary
2. List of Attendees
3. Meeting Handout (Official Use Only Proprietary and Security Related Information)

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Enclosures:

1. Meeting Summary
2. List of Attendees
3. Meeting handouts (withhold under 10 CFR 2.390)

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March 7, 2007

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SUMMARY OF MEETING WITH MOX SERVICES TO KICKOFF THE TECHNICAL REVIEW
OF THE INTEGRATED SAFETY ANALYSIS SUMMARY AND MANAGEMENT MEASURES
FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

Date: February 21, 2007

Place: U.S. Nuclear Regulatory Commission (NRC) Headquarters Offices; Rockville,
Maryland

Attendees: See Enclosure 2

Purpose:

The purpose of this meeting was to kickoff the technical review of the Integrated Safety Analysis (ISA) Summary and applied management measures.

Discussion:

This meeting was closed to the public due to the sensitive information discussed.

After introductions by both the NRC and MOX Services, the applicant began the discussion by describing how management measures were being used in the ISA summary and how they were being applied to items relied on for safety (IROFS). Management measures include items such as periodic surveillance, maintenance, audits, functional testing etc.. There was also a discussion about how management measures were used to help demonstrate that an accident sequence was "highly unlikely".

The next topic of discussion was the development of IROFS from the principal structures, systems, and components (PSSC's) that were included in the Construction Authorization (CA). PSSC's were developed at the system level while IROFS have been developed on a component level. MOX Services provided some examples of how PSSC's tracked from the CA to IROFS in the ISA summary.

Other topics for discussion in the meeting were IROFS boundaries and defense in depth practices. NRC and MOX Services discussed the philosophy regarding IROFS boundaries and agreed that this will be discussed in more detail at a future meeting. MOX Services described the defense-in-depth practices that they employed for the MFFF.

MOX Services then discussed the process it used in the ISA Summary for a specific event. This included the consequences, safety strategy, PSSC's and IROFS, the crosswalk from the Construction Authorization Request (CAR) to the ISA summary, IROFS boundary, IROFS reliability, management measures, codes and standards, and safety limits.

The applicant also discussed crosswalks between the CA request, the license application and ISA summary, NUREG-1718 (Standard Review Plan), and Final Safety Evaluation Report for the CAR.

No regulatory decisions were made at the meeting. Additional discussions related to the ISA Summary are being planned as the NRC continues its review of the license application and ISA Summary. Topics for future discussions include IROFS boundaries, single failure criteria standards (IEEE 379), and crosswalk development.

The meeting was then adjourned.

**February 21, 2007 Closed ISA Summary/Management Measures Kickoff Meeting
Attendees**

- David Tiktinsky NRC
- Cinthya Roman-Cuevos NRC
- Kenneth Armstrong NRC
- Paul Bell NRC
- David Rohn NRC
- Mike Waterman NRC
- Rui Li NRC
- Stewart Magruder NRC
- William Troskoski NRC
- Craig Hrabal NRC
- Diana Diaz-Toro NRC
- Mike Boggi NRC
- Gary Hedrick MOX Services
- Wesley Don Dotson MOX Services
- Scott Salzman MOX Services
- Walt Elliott MOX Services
- Bill Hennessy MOX Services
- Bob Foster MOX Services
- Dealis Gwyn MOX Services
- Garrett Smith DOE
- Don Williams ORNL