

March 20, 2012

MEMORANDUM TO: Jeremy S. Bowen, Acting Chief  
Mixed Oxide and Uranium  
Deconversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: David Tiktinsky, Sr. Project Manager **/RA/**  
Mixed Oxide and Uranium  
Deconversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF THE MEETING WITH SHAW AREVA MOX SERVICES  
TO DISCUSS THE PROPOSED RISK RANKING OF ITEMS RELIED  
FOR SAFETY AND AUGMENTED QUALITY ASSURANCE FOR THE  
MIXED OXIDE FUEL FABRICATION FACILITY UNDER  
CONSTRUCTION NEAR AIKEN, SOUTH CAROLINA

On February 28, 2012, the U.S. Nuclear Regulatory Commission staff met with representatives from Shaw AREVA MOX Services to discuss their proposed system to rank items relied on for safety and use of augmented quality assurance for the Mixed Oxide Fuel Fabrication Facility.

The meeting summary can be found in Enclosure 1. The meeting attendance list can be found in Enclosure 2 and the meeting handout can be found in Enclosure 3. The attachments do not contain any official use only material.

Enclosures:  
As stated

cc: w/enclosures:  
S. Glenn, NNSA/SRS  
S. Jenkins, SC Dept. of HEC  
D. Silverman, Esq., MOX Services  
D. Gwyn, MOX Services  
K. Cummins, NNSA  
G. Carroll, Nuclear Watch South  
D. Curran, Esq., Nuclear Watch South  
L. Zeller, BREDL

CONTACT: David Tiktinsky, NMSS/FCSS  
(301) 492-3229

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<b>OFFICE</b>	FCSS/MODB	FCSS/UEB	FCSS/MODB
<b>NAME</b>	DTiktinsky	TRichmond	JBowen
<b>DATE</b>	3/19/2012	3/20/2012	3/10/2012

**OFFICIAL RECORD COPY**

SUMMARY OF THE MEETING WITH SHAW AREVA MOX SERVICES RELATED TO THE THEIR  
PROPOSED ITEMS RELIED ON FOR SAFETY RISK RANKING AND AUGMENTED QUALITY  
ASSUANCE PLAN FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

DATE February 28, 2012

PLACE Rockville, Maryland

ATTENDEES See Enclosure 2

PURPOSE

The purpose of the public meeting was for Shaw AREVA Services (Mixed Oxide [MOX] Services or the applicant) personnel to further discuss their proposed risk ranking methodology for items relied on for safety (IROFS) and the discuss potential changes to the MOX Project Quality Assurance plan (MPQAP) to take into account augmented Quality Assurance (QA) program for lower priority IROFS for the Mixed Oxide Fuel Fabrication Facility (MFFF).

DISCUSSION

MOX Services presented draft changes to the MPQAP that would support the grading of IROFS and the use of augmented QA. The proposed plan would include a section which: a) includes a description of the IROFS risk grading program, b) commercial grade dedication for lower priority IROFS, c) acceptability of commercially available items, d) peer inspection program, and e) performance monitoring, surveillance, and assessments.

MOX Services also provided more details related to the criteria for risk ranking and worked through specific examples. The purpose of their program is to a) define the relative importance of IROFS to the overall safety criteria; b) identify the IROFS that are a priority; and c) identify lower risk IROFS where augmented QA program could be applied.

In the closed session, MOX Services discussed the details of specific examples of how the risk ranking methodology is applied for specific events.

The staff had many questions related to the risk ranking methodology and the augmented QA plan. It was agreed that MOX Services should provide additional results of their screening process at a future meeting.

The meeting concluded with a discussion of future steps including addition meetings that will be arranged in the near future.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

## February 7, 2012, Meeting Attendees

David Tiktinsky	U.S. Nuclear Regulatory Commission (NRC)
Kevin Morrissey	NRC
James Downs	NRC
Sabrina Atack	NRC
Jim Hammelman	NRC
Brett Klukan	NRC
Soly Soto	NRC
Cintha Roman	NRC
Chris Tripp	NRC
Jeremy Bowen	NRC
Doug Yates	Shaw AREVA MOX Services (MOX Services)
Dealis Gwyn	MOX Services
Bob Eble	MOX Services
Dave Kehoe	MOX Services
Thanhtan VanOber	NNSA
Terry Dunn	DOE/PDC
Ken Fletcher	Exchange Monitor
Robert Joseph	ORNL