

July 27, 2009

MEMORANDUM TO: Margie Kotzalas, Chief  
Mixed Oxide and Uranium  
Deconversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: Kevin Morrissey, 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 CLOSED MEETING WITH SHAW AREVA MOX  
SERVICES TO DISCUSS DRAFT RESPONSES TO THE STAFF'S  
REQUESTS FOR ADDITIONAL INFORMATION RELATED TO THE  
CRITICALITY SAFETY REVIEW FOR THE MIXED OXIDE FUEL  
FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SOUTH  
CAROLINA

On June 18, 2009, the U.S. Nuclear Regulatory Commission staff met with representatives from Shaw AREVA MOX Services to discuss their draft responses to the staff's requests for additional information regarding the criticality safety review of the Mixed Oxide Fuel Fabrication Facility.

Please see the enclosed meeting summary for more details (Enclosure 1). The meeting attendance list is also enclosed (Enclosure 2). The summary does not contain any official use only material.

Enclosures: As stated

cc w/enclosures:

S. Glenn, NNSA/SRS  
J. Olencz, NNSA  
S. Jenkins, SC Dept. of HEC  
D. Silverman, Esq., MOX Services  
D. Gwyn, MOX Services

A.J. Eggenberger, DNFSB  
L. Zeller, BREDL  
G. Carroll, Nuclear Watch South  
D. Curran, Esq., Nuclear Watch South

CONTACT: Kevin Morrissey, NMSS/FCSS  
(301) 492-3130

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MOX Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: Kevin Morrissey, Project Manager /RA/  
MOX Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF THE CLOSED MEETING WITH SHAW AREVA MOX SERVICES TO  
DISCUSS DRAFT RESPONSES TO THE STAFF'S REQUESTS FOR ADDITIONAL  
INFORMATION RELATED TO THE EMERGENCY PLAN EVALUATION FOR THE  
MIXED OXIDE FUEL FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SOUTH  
CAROLINA

On June 18, 2009, the U.S. Nuclear Regulatory Commission staff met with representatives from Shaw AREVA MOX Services to discuss their draft responses to the staff's requests for additional information regarding the criticality safety review of the Mixed Oxide Fuel Fabrication Facility.

Please see the enclosed meeting summary for more details (Enclosure 1). The meeting attendance list is also enclosed (Enclosure 2). The summary does not contain any official use only material.

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<b>OFC</b>	FCSS/MB	FCSS/MG	FCSS/MB
<b>NAME</b>	KMorrissey	CGibbs	MKotzalas
<b>DATE</b>	7/15/2009	7/16/2009	7/27/2009

**OFFICIAL RECORD COPY**

SUMMARY OF THE CLOSED MEETING WITH MOX SERVICES RELATED TO THE DRAFT RESPONSES TO THE STAFF'S REQUESTS FOR ADDITIONAL INFORMATION FOR THE CRITICALITY SAFETY REVIEW FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

DATE June 18, 2009  
PLACE Rockville, Maryland  
ATTENDEES See Enclosure 2

PURPOSE

The purpose of the closed meeting was for Shaw AREVA MOX Services (the applicant) personnel to present and discuss with the U.S. Nuclear Regulatory Commission staff their draft responses to the staff's requests for additional information (RAI) pertaining to the criticality safety review of the license application (LA) and integrated safety analysis summary for the Mixed Oxide Fuel Fabrication Facility.

DISCUSSION

In order to facilitate communication between the applicant and the staff and to assure an understanding of the applicant's responses to the staff's RAIs, a meeting was held to discuss the applicant's draft responses to the staff's questions regarding the criticality safety review. The RAIs relate to: (a) the commitments in the LA regarding the criticality safety organization and reporting requirements; (b) the definitions of various safety margin terminology; (c) the methods used to assure sub-criticality and the assumptions in the analyses; (d) application of a sampling plan for criticality prevention items relied on for safety; and (e) common mode failure and independence of administrative controls.

The staff and the applicant will meet again prior to the formal submittal of the criticality safety RAI responses by the applicant.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

**June 18, 2009, Criticality Safety Review Meeting Attendees**

Kevin Morrissey

U.S. Nuclear Regulatory Commission  
(NRC)

Christopher Tripp

NRC

Craig Hrabal (Telephone)

NRC

Dealis Gwyn

Shaw AREVA MOX Services (MOX  
Services)

Bill Hennessy

MOX Services

Bob Foster (Telephone)

MOX Services