

May 18, 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  
Special Projects and Technical  
Support Directorate, FCSS

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

SUBJECT: SUMMARY OF THE KICKOFF MEETING WITH SHAW AREVA MOX  
SERVICES ON THE FIRE PROTECTION REVIEW OF THE LICENSE  
APPLICATION AND INTEGRATED SAFETY ASSESSMENT  
SUMMARY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY  
TO BE BUILT NEAR AIKEN, SC

On April 19, 2007, the U. S. Nuclear Regulatory Commission (NRC) staff met with representatives from Shaw AREVA MOX Services (MOX Services) to kickoff the fire protection review of the License Application (LA) and the integrated safety assessment summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF). Significant portions of the meeting were closed to the public due to discussions of Official Use Only information (OUO).

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However, no members of the public attended the meeting. Please see the enclosed Meeting Summary for more details (Enclosure 1). The Meeting Attendance List is also enclosed (Enclosure 2). The meeting Handouts can be found in Enclosures 3 - 6. Enclosures 4 -6 are Official Use Only - Security Related information (OUO-SRI) and/or OUO Proprietary information, therefore, they are being withheld from public release. When separated from Enclosures 4 - 6, handle this memorandum as non-sensitive.

Enclosures:

1. Meeting Summary (unclassified)
2. List of Attendees (unclassified)
3. Meeting Handout (unclassified)
4. Meeting Handout (OUO-SRI)
5. Meeting Handout (crosswalk) (OUO-SRI)
6. Meeting Handout (PSSC/ISAS comparison) (OUO-SRI)

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- 5. Meeting Handout (crosswalk) (OUO-SRI)
- 6. Meeting Handout (PSSC/ISAS comparison) (OUO-SRI)

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<b>NAME</b>	DTiktinsky		LWilliamson		RWescott		SMagruder	
<b>DATE</b>	5/15/07		5/11/07		5/18 /07		5/18/07	

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SUMMARY OF MEETING WITH MOX SERVICES TO KICKOFF THE FIRE PROTECTION  
TECHNICAL REVIEW OF THE LICENSE APPLICATION AND INTEGRATED SAFETY  
ASSESSMENT SUMMARY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

Date: April 19, 2007

Place: Rockville, MD

Attendees: See Enclosure 2

Purpose:

The purpose of this meeting was to kickoff the Fire Protection review of the License Application (LA) and the integrated safety assessment summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF).

Discussion:

Significant portions of the meeting were to be closed to the public due to discussions of Official Use Only (OUO) information. However, no members of the public attended the meeting. The meeting handouts were designated as OUO except for one public document.

Shaw AREVA MOX Services (MOX Services) provided example Crosswalks of the Standard Review Plan (NUREG-1718) to the LA/ISAS. Another crosswalk provided information on codes and standards used in the Construction Authorization Report (CAR) and compared them to the LA. Additionally, a mapping was provided for fire protection related Principal Structures, Systems, and Components (PSSC) from the CAR to items relied on for safety (IROFS) in the ISAS. There was considerable discussion related to the content of these crosswalks and their usefulness to the staff in the performance of the technical review.

The applicant stated that Fire Hazard Analyses and the Fire Protection Program Plan are available for review on-site. The Fire Protection Program Plan identifies procedures, policies, and administrative controls required to support construction and operation. The procedures, policies, and administrative controls will be developed or implemented later in the construction phase.

The topics discussed during the closed session included: (a) process fire doors; (b) clean agent fire suppression systems; (c) temperature dilution for HEPA filters; (d) fire water supply; (e) building design and National Fire Protection Association 220; (f) surveillance, testing, and maintenance of fire safety systems; and (g) arrival times of Savannah River Site Fire Department.

No regulatory decisions were made at the meeting. An onsite review to look at support documents and references has been scheduled for late June.

The meeting was then adjourned.

**April 19, 2007**

**Fire Protection Review Kickoff Meeting Attendees**

**Kickoff Meeting Attendees**

- David Tiktinsky NRC
- James Downs NRC
- Rex Wescott NRC
- Bill Troskoski NRC
- Ian Spivak NRC
- Stu Magruder NRC
- Lary Rosenbloom MOX Services
- Thomas St. Louis MOX Services
- Walt Elliott MOX Services
- Bill Hennessy MOX Services
- Dealis Gwyn MOX Services
- Ravi Ganta MOX Services
- Frank Voshell MOX Services
- Don Williams ORNL
- Sam Glenn NNSA

Enclosure 2

Enclosure 2