

June 1, 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 /RA/  
Support Directorate, FCSS

SUBJECT: SUMMARY OF THE KICKOFF MEETING WITH SHAW AREVA MOX  
SERVICES ON THE PLANT SYSTEMS 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 plant systems review of the License Application (LA) and the integrated safety assessment summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF). The meeting was closed to the public due to discussions of Official Use Only information (OUO). 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 and 4.

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These enclosures (OUO-Security Related Information (OUO-SRI) and/or OUO-Proprietary) are being withheld from public release. When Separated from Enclosures 3 and 4, handle this memorandum as non-sensitive.

Enclosures:

1. Meeting Summary (unclassified)
2. List of Attendees (unclassified)
3. Meeting Handout (OUO-SRI)
4. Meeting Handout (crosswalk) (OUO-SRI)

June 1, 2007

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| <b>OFFICE</b> | MB         |  | SPB         |  | MB        |  |  |  |  |
| <b>NAME</b>   | DTiktinsky |  | LWilliamson |  | SMagruder |  |  |  |  |
| <b>DATE</b>   | 5/ 16 /07  |  | 5/ 17 /07   |  | 6/ 01/07  |  |  |  |  |

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SUMMARY OF MEETING WITH SHAW AREVA MOX SERVICES TO KICKOFF THE PLANT SYSTEMS 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 Plant Systems review of the License Application (LA) and integrated safety assessment summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF).

Discussion:

This meeting was closed to the public due to discussions of Official Use Only (OUO) information. The meeting handouts were designated as OUO.

Shaw AREVA MOX Services (MOX Services) provided a Crosswalk of the Standard Review Plan (NUREG-1718) to the LA/ISAS for plant systems. 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 provided a summary discussion on the high efficiency particulate air filter soot loading experiments that were performed at Clemson University. Discussions included the experimental methodology, the combustible mixture used, the testing apparatus, experimental components including filter types, and the experimental results.

The staff went over some preliminary questions related to the soot loading experiments, the ventilation system and mechanical components. An onsite review to look at support documents and references has been scheduled for late June 2007. Based on the discussions at the meeting, it is likely that the staff will be preparing "requests for additional information" related to the plant systems portion of the review.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

**April 19, 2007**  
**Plant Systems Review Kickoff**  
**Meeting Attendees**

- David Tiktinsky NRC
- Rex Wescott NRC
- Bill Troskoski NRC
- Ian Spivak NRC
- Kenneth Armstrong NRC
- Timothy Johnson 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