

May 21, 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 ENVIRONMENTAL, EMERGENCY PLANNING, AND  
RADIOLOGICAL PROTECTION REVIEW FOR THE MIXED OXIDE  
FUEL FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SC

On April 18, 2007, the U.S. Nuclear Regulatory Commission (NRC) staff met with representatives from Shaw AREVA MOX Services (MOX Services) to kickoff the Environmental, Emergency Planning, and Radiological protection review of the License Application (LA) and the integrated safety analysis summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF). Portions of the meeting were closed to the public due to discussions of Official Use Only - Security Related Information (OUO-SRI) or Official Use Only - Proprietary information

Contact: David Tiktinsky, SPTSD/FCSS  
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(OUO-Proprietary). Please see the enclosed Meeting Summary for more details (Enclosure 1). The meeting Attendance List is enclosed (Enclosure 2). The meeting Handout can be found in Enclosure 3. Additionally, example Crosswalks from NUREG-1718 (Standard Review Plan), the LA and ISAS and codes and standards can be found in Enclosure 4. The enclosures do not contain any Official Use Only information.

Enclosures:

1. Meeting Summary
2. List of Attendees
3. Meeting Handout
4. Example Crosswalks

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Enclosures:

- 1. Meeting Summary
- 2. List of Attendees
- 3. Meeting Handout
- 4. Example Crosswalks

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<b>DATE</b>	5/21 /07		5/17 /07		5/21 /07		5/21 /07	

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SUMMARY OF MEETING WITH SHAW AREVA MOX SERVICES TO KICKOFF THE ENVIRONMENTAL, EMERGENCY PLANNING AND RADIOLOGICAL PROTECTION TECHNICAL REVIEW OF THE LICENSE APPLICATION AND INTEGRATED SAFETY ANALYSIS SUMMARY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

Date: April 18, 2007

Place: Rockville, MD

Attendees: See Enclosure 2

Purpose:

The purpose of this meeting was to kickoff the Environmental, Emergency Planning, and Radiological Protection review of the License Application (LA) and Integrated Safety Analysis Summary (ISAS) for the Mixed Oxide Fuel Fabrication Facility (MFFF).

Discussion:

Portions of the meeting were to be closed to the public due to discussions of Official Use Only information (OUO). However, no members of the public attended the meeting. The meeting handouts were not designated as OUO.

#### Radiological Protection

Shaw AREVA MOX Services (MOX Services) provided example crosswalks as follows: (a) the Construction Authorization Request (CAR) to the LA/ISAS; (b) the Final Safety Evaluation Report (SER) to the LA/ISAS; and (c) the Standard Review Plan (NUREG-1718) to the LA/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.

There was a discussion of the commitments to meet various regulatory guides, and industry codes and standards for the facility design. The staff stated that there will likely be questions on commitments to meeting various codes and standards. The staff also discussed other potential requests for additional information, such as commitments to 10 CFR Part 20 radiation zones and controls in the LA. The Crosswalks can be found in Enclosure 4.

#### Emergency Planning

The applicant discussed the methods and conservatisms that were used in the evaluation to determine whether an Emergency Plan was required. The staff stated that the evaluation needs more information for the documents to be a complete stand alone analysis. The staff will followup with additional questions as the review progresses.

The applicant stated that a MFFF Emergency Plan will be an annex to the Savannah River Site Emergency Plan. This will be included as a best management practice and not a licensing commitment.

The applicant - (licensee) stated that changes to the facility design that may impact the Final Environmental Impact Study will be controlled under the procedure entitled "Licensing Basis Configuration Management."

Air sampling locations and commitments to a sampling program were discussed.

The staff stated that future meetings will be planned when the review has progressed such that Requests for Additional Information on these review areas have been prepared.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

**April 18, 2007**

**Environmental, Emergency Planning and Radiological Protection Review**

**Kickoff Meeting Attendees**

- David Tiktinsky NRC
- Priya Yadav NRC
- Mike Lamastra NRC
- Kenneth Armstrong NRC
- Amy Snyder NRC
- Walt Elliot MOX Services
- Bill Hennessey MOX Services
- Don Williams ORNL
- Sam Glenn NNSA
- Dealis Gwyn MOX Services

Enclosure 2