

July 12, 2007

MEMORANDUM TO: Joseph G. Giitter, Deputy Director
Special Projects and Technical
Support Directorate
Division of Fuel Cycle Safety
and Safeguards

THRU: William Troskoski, Acting 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 HUMAN FACTORS SAFETY REVIEW
OF THE LICENSE APPLICATION AND INTEGRATED SAFETY
ASSESSMENT SUMMARY FOR THE MIXED OXIDE FUEL
FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SC

On June 14, 2007, Nuclear Regulatory Commission (NRC) staff met with representatives from Shaw AREVA MOX Services (MOX Services) to kickoff the Human Factors safety review of the License Application (LA) and the Integrated Safety Assessment 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 Information. 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 Enclosure 3. None of the documents contain any Official Use Only information.

Enclosures:

1. Meeting Summary
2. List of Attendees
3. Meeting Handout

July 12, 2007

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- 1. Meeting Summary
- 2. List of Attendees
- 3. Meeting Handout

cc: G. Smith, NNSA
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SUMMARY OF MEETING WITH MOX SERVICES TO KICKOFF THE HUMAN FACTORS
SAFETY TECHNICAL REVIEW OF THE LICENSE APPLICATION AND INTEGRATED
SAFETY ASSESSMENT SUMMARY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

Date: June 14, 2007

Place: Rockville, MD

Attendees: See Enclosure 2

Purpose:

The purpose of this meeting was to kickoff the Human Factors Safety review of the License Application and Integrated Safety Assessment Summary for the Mixed Oxide Fuel Fabrication Facility (MFFF).

Discussion:

Portions of this meeting was 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 not designated as OUO.

Shaw AREVA MOX Services (MOX Services) provided an overview of Human Factor Engineering (HFE) in the Integrated Safety Analysis (ISA), the development of HFE program plans and implementation plans, and the status of the HFE program.

MOX Services stated that the HFE program plan has been used in the facility design to support the tolerance of both upsets and human errors. They also stated that the human component is considered during the ISA process including administrative controls. Additionally, they report that human factors have been considered in the process hazards analyses for each process unit. Operational sequences will also be reviewed to identify upsets and deviations including human error of omission and commission.

The HFE program plan was last updated in 2003 and is currently being revised. The plan will demonstrate HFEs integral involvement in the design, operation, testing, and maintenance of the MFFF. The HFE implementation plan is currently under development and will be issued after the HFE program plan has been revised.

The Nuclear Regulatory Commission (NRC) and NRC contractor staff discussed the HFE guidance documents that have been prepared (NUREGs). The staff also suggested that good engineering practice would suggest that the style guide they develop should cover the entire facility design.

Future plans for the review, include onsite reviews to look at background information related to the HFE program and implementation plans. The onsite review will occur in around 60 days.

No regulatory decisions were made at the meeting.

Enclosure 1

The meeting was then adjourned.

June 14, 2007 Human Factors Safety Kickoff Meeting Attendees

- David Tiktinsky NRC
- Mike Boggi NRC
- Jim Higgins BNL
- John O'Hara BNL
- Bill Gloersen NRC
- Mike Brickey MOX Services
- Scott Salzman MOX Services
- Jefferey Jones MOX Services
- Walt Elliott MOX Services
- Douglas Hill MPR
- Sam Steiman MPR
- Dealis Gwyn MOX Services
- Rick Inker MOX Services
- Don Williams ORNL

Enclosure 2

