

September 30, 2008

MEMORANDUM TO: Margie Kotzalas, Chief
MOX Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

FROM: David Tiktinsky, Sr. 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 REQUESTS FOR
ADDITIONAL INFORMATION RELATED TO CRITICALITY SAFETY
FOR THE MIXED OXIDE FUEL FABRICATION FACILITY TO BE
BUILT NEAR AIKEN, SOUTH CAROLINA

On July 17, 2008, 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 related to the criticality safety portion of the review of the license application to possess and use special nuclear material for 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:

1. Meeting Summary
2. Meeting Attendance List

cc: w/o enclosures

G. Smith, NNSA
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: David Tiktinsky, NMSS/FCSS
(301) 492-3229

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DATE	9/18/08	8/18/08	8/18/08	9/30/08

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SUMMARY OF THE MEETING WITH MOX SERVICES RELATED TO THE DISCUSSION OF DRAFT RESPONSES TO THE STAFF'S RAIS ON CRITICALITY SAFETY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

DATE July 17, 2008

PLACE Rockville, MD

ATTENDEES See Enclosure 2

PURPOSE

This purpose of the meeting was for U.S. Nuclear Regulatory Commission (NRC) staff to present and discuss with Shaw AREVA MOX Services (MOX Services or applicant) personnel the draft responses to the staff's requests for additional information (RAI) in the criticality safety area related to the technical review of the license application (LA) to possess and use radioactive material and the Integrated Safety Analysis (ISA) 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 RAIs, a meeting was held to discuss the applicant's draft response to the staff's RAIs. The staff's intent for these types of meetings is to try to assure a complete understanding of how the applicant plans to respond to the RAIs. This should lead to minimizing rounds of RAIs and facilitate the completion of the staff's technical review.

The staff's RAIs are related to criticality safety aspects of the technical review of the LA. The draft RAIs covered a wide range of nuclear criticality safety (NCS) related items including: (a) organization and administration for nuclear criticality safety; (b) NCS audits and assessments; (c) criticality safety procedures; (d) nuclear incident monitoring system; (e) nuclear criticality safety evaluations; (f) analytical methodology; (g) criticality control modes; (h) geometry control; (i) mass control; (j) isotopic control; (k) reflection control; (l) moderation control; (m) concentration control; (n) interaction control; (o) volume control; (p) heterogeneity, physiochemical, and process variable control; (q) regulatory requirements, guidance, and industry standards; (r) criticality code validation methodology; (s) subcriticality limits; (t) implementation of nuclear criticality safety in the ISA; and (u) regulatory guidance applicability.

The applicant has formally responded to the RAIs and the responses can be found in ML082390319, dated August 22, 2008, in the NRC's Agencywide Documents Access and Management System document system.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

July 17, 2008 Criticality Safety Draft RAI Responses Meeting Attendance List

David Tiktinsky	NRC
Kevin Morrissey	NRC
Craig Hrabal	NRC
Chris Tripp	NRC
Jonathon DeJesus	NRC
Soly Soto	NRC
Maria Guardiola	NRC
Cinthya Roman Cuevas	NRC
Christian Farmer	NRC
Michael Shea	MOX Services
Fredrick Willis	MOX Services
Wesley Dotson	MOX Services
Robert Foster	MOX Services
Bill Hennessy	MOX Services
Dealis Gwyn	MOX Services
Garrett Smith	DOE/ NNSA