

August 27, 2009

MEMORANDUM TO: Margie Kotzalas, Chief
Mixed Oxide and Uranium
Deconversion Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

FROM: David Tiktinsky, Senior Project Manager **/RA/**
Mixed Oxide and Uranium
Deconversion Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF THE MEETING WITH SHAW AREVA MOX
SERVICES TO DISCUSS DRAFT RESPONSES TO THE
STAFF'S REQUESTS FOR ADDITIONAL INFORMATION
RELATED TO MANAGEMENT MEASURES, HUMAN FACTORS,
AND THE INTEGRATED SAFETY ASSESSMENT SUMMARY
FOR THE MIXED OXIDE FUEL FABRICATION FACILITY TO BE
BUILT NEAR AIKEN, SOUTH CAROLINA

On June 29 and 30, 2009, the U.S. 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 regarding management measures, human factors and the Integrated Safety Analyses Summary 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: As stated

cc w/enclosures:

S. Glenn, NNSA/SRS
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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SUBJECT: SUMMARY OF THE MEETING WITH SHAW AREVA MOX SERVICES TO
DISCUSS DRAFT RESPONSES TO THE STAFF'S REQUESTS FOR
ADDITIONAL INFORMATION RELATED TO MANAGEMENT MEASURES,
HUMAN FACTORS, AND THE INTEGRATED SAFETY ASSESSMENT
SUMMARY FOR THE MIXED OXIDE FUEL FABRICATION FACILITY TO BE
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OFC	FCSS/MB	FCSS/MB
NAME	DTiktinsky	MKotzalas
DATE	8/25/2009	8/27/2009

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SUMMARY OF THE MEETINGS WITH MOX SERVICES RELATED TO THE DRAFT
RESPONSES TO THE STAFF'S REQUESTS FOR ADDITIONAL INFORMATION RELATED
TO MANAGEMENT MEASURES (PUBLIC MEETING), HUMAN FACTORS (CLOSED
MEETING), AND THE INTEGRATED SAFETY ANALYSES SUMMARY (CLOSED MEETING)
FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

DATE July 29-30, 2009

PLACE Rockville, Maryland

ATTENDEES See Enclosure 2

PURPOSE

The purpose of the meetings was for Shaw AREVA MOX Services (the applicant) personnel to present and discuss with the U.S. Nuclear Regulatory Commission staff their draft responses to the staff's requests for additional information (RAI) pertaining to management measures, human factors and the Integrated Safety Analyses (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 applicant's responses to the staff's RAIs, meetings were held to discuss the applicant's draft responses to the staff's questions regarding management measures, human factors, and the Integrated Safety Analyses Summary.

The management measures RAIs related to: (a) description and commitments of the management measures program; (b) maintaining documentation; (c) responsibilities for management measure programs; (d) implementation of management measures to items relied on for safety (IROFS); (e) implementation of the Quality Assurance Plan and its relationship with management measures; and (f) IROFS boundaries, failures and associated management measures. Based on discussions at the meeting and additional follow-up comments from the staff, the applicant will prepare a revised submittal.

The human factors RAIs related to: (a) level of detail in human factor implementation plan; (b) scope of human factors engineering activities; (c) basis of automation; (d) operating experience; (e) human actions in material control; (f) task analysis scope; (g) design for error tolerance; (h) alarm management and procedures; (i) training; and (j) verification and validation. A good portion of the discussion at the meeting related to what information needs to be included in Chapter 12 of the License Application (LA). Based on discussions at the meeting and additional follow-up comments from the staff, the applicant will prepare a revised submittal.

The Integrated Safety Analyses Summary RAIs related to the ISA methodology that supports the LA. The draft RAIs covered a wide range of items including: (a) description and commitments in the ISA methodology; (b) commitments to maintain ISA documentation; (c) responsibilities for the ISA and ISA Summary; (d) implementation of the ISA methods; (e) training and experience of personnel; (f) implementation of the ISA methodology to the facility

design; (g) demonstration of meeting performance requirements; and (h) IROFS boundaries, failures and associated management measures. Based on discussions at the meeting the applicant will prepare a revised submittal.

No regulatory decisions were made at the meetings.

July 29, 2009, Human Factor Request for Additional Information Review Meeting Attendees

Kevin Morrissey	U.S. Nuclear Regulatory Commission (NRC)
David Tiktinsky	NRC
Stephen Fleger	NRC
John O'Hara	Brookhaven National Laboratory (BNL)
James Higgins	BNL
Dealís Gwyn	MOX Services
Bill Hennessey	MOX Services
Mike Brickey	MOX Services
Rick Imker	MOX Services

July 30, 2009, Management Measures and Integrated Safety Analyses Request for Additional Information Review Meetings Attendees

Kevin Morrissey	NRC
David Tiktinsky	NRC
Scott Salzman	MOX Services
Dealís Gwyn	MOX Services
Bill Hennessey	MOX Services