

June 24, 2008

MEMORANDUM TO: Margie Kotzalas, Chief  
MOX Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: David Tiktinsky, Sr. Project Manager */RA/*  
MOX Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF THE IN-OFFICE REVIEW WITH SHAW AREVA MOX  
SERVICES ON PHYSICAL PROTECTION FOR THE MIXED OXIDE  
FUEL FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SOUTH  
CAROLINA

On May 21-22, 2008, U.S. Nuclear Regulatory Commission (NRC) staff met with representatives from Shaw AREVA MOX Services for an in-office review related to physical protection at the Mixed Oxide Fuel Fabrication Facility (MFFF). Please, see the enclosed

CONTACT: David Tiktinsky, NMSS/FCSS  
301 492-3229

M. Kotzalas

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summary for more details (Enclosure 1). The attendance list is also enclosed (Enclosure 2).

The handout can be found in Enclosure 3 and is Official Use Only – Security Related Information.

Enclosures:

1. In-Office Review Summary
2. In-Office Review Attendance List
3. Handout entitled “NRC Physical Protection Security Plan Review for the MFFF” (OUO)

cc: w/o enclosures:

G. Smith, NNSA	A.J. Eggenberger, DNFSB
J. Olencz, NNSA	L. Zeller, BREDL
S. Jenkins, SC Dept. of HEC	G. Carroll, Nuclear Watch South
D. Silverman, Esq., MOX Services	D. Curran, Esq., Nuclear Watch South
D. Gwyn, MOX Services	

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 D. Curran, Esq., Nuclear Watch South

DISTRIBUTION:

Docket 70-3098      M. Shannon, RII      W. Gloersen, RII      D. Seymour, RII  
 D. McIntyre, OPA

**ML081630044**

<b>OFFICE</b>	MB		MB		NSIR		MB	
<b>NAME</b>	DTiktinsky		CGibbs		AFrazier		MKotzalas	
<b>DATE</b>	6/ 17 /08		6/ 17 /08		6//08		6/24/08	

**OFFICIAL RECORD COPY**

SUMMARY OF THE IN-OFFICE REVIEW WITH MOX SERVICES RELATED TO THE  
PHYSICAL PROTECTION PLAN FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

DATE May 21-22, 2008

PLACE Shaw Areva MOX Services, Aiken, SC

ATTENDEES See Enclosure 2

PURPOSE

This purpose of the in-office review was to discuss potential revisions to the physical protection plan for the Mixed Oxide Fuel Fabrication Facility, potential issues for further development, and the path forward to complete the document development and review.

DISCUSSION

The following is a summary of the topics that were evaluated during the review:

The applicant provided an overview of the facility layout, construction progress, the overall project schedule and the schedule for completion of the security design.

There was also a discussion of the design features including: a) delay mechanisms, b) responder positions, c) weaponry, d) communications, e) barriers, f) alarm stations, and g) protection of special nuclear material.

Additionally, the security features were discussed including: a) intrusion detection and assessment, b) barriers and locks, and c) data processing and display.

There was a discussion of future items that will need to be developed including agreements between the Department of Energy and the U.S. Nuclear Regulatory Commission (NRC).

There was a discussion of vulnerability assessments and simulations as well as the security design strategy.

MOX Services indicated that they plan to develop a revision to the physical security plan by the end of July 2008. The NRC plans to perform an additional in-office review once that revision is complete.

No regulatory decisions were made during this in-office review.

The review then adjourned.

Enclosure 1

May 21-22, 2008 In-Office Review Attendance List

David Tiktinsky	NRC
Alan Frazier	NRC
Robert Dexter	NRC
Wayne Phillips	MOX Services
Ron Fisher	MOX Services
Scott Johnson	MOX Services
James McCormick	MOX Services
Ray Bussey	MOX Services
Tom Cantey	DOE NNSA-SR

Enclosure 2