

June 20, 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 MATERIAL CONTROL AND ACCOUNTING FOR THE MIXED
OXIDE FUEL FABRICATION FACILITY TO BE BUILT NEAR AIKEN, SOUTH
CAROLINA

On April 30, 2008, Nuclear Regulatory Commission staff met with representatives from Shaw AREVA MOX Services for an in-office review of the Fundamental Nuclear Material Control Plan. Please see the enclosed 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 "Sections 3 and 4 of the MFFF
Fundamental Nuclear Material Control Plan" (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	

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

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SUMMARY OF THE IN-OFFICE REVIEW WITH MOX SERVICES ON FUNDAMENTAL
NUCLEAR MATERIAL CONTROL PLAN FOR THE MIXED OXIDE FUEL FABRICATION
FACILITY

DATE April 30, 2008

PLACE Shaw Areva MOX Services, Aiken, SC

ATTENDEES See Enclosure 2

PURPOSE

This purpose of the in-office review was to evaluate, in detail, the staff's preliminary review of Sections 3 and 4 of the Fundamental Nuclear Material Control (FNMC) Plan for material control and accounting (MC&A) for the Mixed Oxide Fuel Fabrication Facility (MFFF).

DISCUSSION

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

The applicant provided an overview of the MFFF FNMC plan, Section 3, "Alarm Resolution." This included alarm resolution, abrupt loss detection, trend analysis and item alarms, response time, item discrepancies, alarm reporting, alleged theft and item control system.

MOX Services also provided an overview of MFFF FNMC plan, Section 4, "Quality Assurance." This included management structure, personnel qualification and training, measurements and measurement control, physical inventory, accounting, shipments and receipts, scrap control, human errors, independent assessment, and special strategic nuclear material custodianship.

The next in-office review on MC&A will be held in June 2008 to discuss the staff's detailed comments on the FNMC.

No regulatory decisions were made at this meeting.

The review was then adjourned.

Enclosure 1

April 30, 2008 In-Office Review Attendance List

David Tiktinsky	NRC
Tom Pham	NRC
Richard Thompson	NRC
Mike Kelly	NRC
Don Dotson	MOX Services
Mark Michelson	MOX Services
Kenneth Bristol	MOX/NFS
Amy Johnson	MOX/MC&A/NFS
Dealis Gwyn	MOX Services

Enclosure 2