

November 29, 2007

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
MOX Branch
Special Projects and Technical /RA/
Support Directorate
Division of Fuel Cycle Safety
and Safeguards, NMSS

SUBJECT: SUMMARY OF THE CLOSED TECHNICAL MEETING 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 October 4, 2007, Nuclear Regulatory Commission staff met with representatives from Shaw AREVA MOX Services for a closed technical meeting on the Fundamental Nuclear Material Control Plan. Please see the enclosed meeting summary for more details (Enclosure 1). The meeting attendance list is also enclosed (Enclosure 2). The meeting handout can be found in Enclosure 3 and is Official Use Only – Security Related Information.

Enclosures: 1. Meeting Summary
2. Meeting Attendance List
3. Meeting Handout entitled “Sections 1 and 2 of the MFFF
Fundamental Nuclear Material Control Plan”

cc: G. Smith, NNSA A.J. Eggenberger, DNFSB
J. Olencz, NNSA L. Zeller, BREDL
M. Moore, 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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D. Gwyn, MOX Services

DISTRIBUTION:
Docket 70-3098 M. Shannon, RII W. Gloersen, RII D. Ayres, RII
D. McIntyre, OPA

ML073240483

OFFICE	MB	ECB	MCAB	MB
NAME	DTiktinsky	LWilliamson	TPham	MKotzalas
DATE	11/ 20 /07	11/ 20 /07	11/ 26 /07	11/29/07

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SUMMARY OF THE MEETING WITH MOX SERVICES ON FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

Date: October 4, 2007

Place: Nuclear Regulatory Commission (NRC) headquarters, Rockville, MD

Attendees: See Enclosure 2

Purpose:

This purpose of the meeting was to discuss the general strategy for material control and accounting (MC&A) for the Mixed Oxide (MOX) Fuel Fabrication Facility (MFFF) and discuss, in detail, the staff's preliminary review of Sections 1 and 2 of the Fundamental Nuclear Material Control Plan (FNMCP).

Discussion:

The following is a summary of the topics that were discussed during the meeting:

The applicant presented a description of the MFFF and described the aqueous polishing (AP) and MOX processing (MP) portions of the facility. This included the site plan, design description, design features, the AP process design, MOX processing functions and design, pellet production, and fuel assembly.

The applicant then provided an overview of the MFFF FNMCP, Section 1, "Process Monitoring." This included process monitoring, material categories, and control unit modeling for both the AP and MP portions of the facility.

MOX Services also provided an overview of MFFF FNMCP, Section 2, "Item Monitoring." This included item monitoring, item categorization, tamper-safing, accessibility, item verification, and sampling.

The next meeting on MC&A will be held in early 2008 to discuss the remainder of the FNMCP.

No regulatory decisions were made at the meeting.

The meeting was then adjourned.

Enclosure 1

October 4, 2007 Material Control and Accounting Meeting Attendees

David Tiktinsky
Tom Pham
Jane Marshall
Dealis Gwyn

NRC
NRC
NRC
MOX Services

Enclosure 2