August 9 2016

MEMORANDUM TO: Robert K. Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

FROM: David H. Tiktinsky, Sr. Project Manager ***/RA/***
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

SUBJECT: MEETING SUMMARY: CLOSED MEETING TO DISCUSS CB&I AREVA MOX SERVICES REVISION TO THE FUNDAMENDAL NUCLEAR MATERIAL CONTROL PLAN, THE CLASSIFIED MATTER PROJECTION PLAN, AND THE PHYSICAL PROTECTION PLAN FOR MIXED OXIDE FUEL FABRICATION FACILITY UNDER CONSTRUCTION IN AIKEN, SOUTH CAROLINA

PURPOSE:

The purpose of the meeting was for CB&I AREVA MOX Services (MOX Services) and the U.S. Nuclear Regulatory Commission's (NRC) staff to discuss the revisions to the Fundamental Nuclear Material Control Plan (FNMCP), the Classified Matter Protection Plan (CMPP) and the Physical Protection Plan (PPP) for the Mixed Oxide Fuel Fabrication Facility (MOX) under construction in Aiken, South Carolina. The discussions in the meeting were Official Use Only - Security Related information.

MEETING SUMMARY:

The meeting took place on June 21, 2016, at the NRC's Two White Flint Building in Rockville, Maryland. Attendees included MOX Services, the Office of Nuclear Material Safety and Safeguards, and the Office of Nuclear Security and Incident Response staff. The attendees list is enclosed.

DISCUSSION:

The MOX facility is being constructed at the U.S. Department of Energy's (DOE's) Savannah River site near Aiken, South Carolina. The facility will be owned by DOE's National Nuclear Security Administration and will convert supplies of surplus weapons grade plutonium into more

proliferation-resistant forms by blending it with natural or depleted uranium. Converting the plutonium into MOX fuel will enable it to be used in commercial reactors to generate electricity.

MOX Services has submitted revisions to the CMPP and the FNMCP to the NRC staff for review. The purpose of the meeting was to provide MOX Services an opportunity to present an overview of the contents of the revisions.

Classified Matter Protection Plan

The revisions to the plan included: a) organizational changes; b) access authorization form changes and clearances; and c) a discussion of changes to document based on classification guidance. The NRC is currently performing the technical review of the submittal.

Fundamental Nuclear Material Control Plan

The revisions to the plan included: a) updates to the plan related to refinements of the facility Material Control and Accounting (MC&A) program; b) Format changes to align with revisions to MC&A guidance documents; and c) document clarifications. The NRC is currently performing the technical review of the submittal and is preparing potential Requests for Additional Information.

Physical Protection Plan

The NRC reviewed and approved revisions to the PPP and associated documents that were requested in 2015. MOX Services plans on submitting an additional revision in 2017. The discussions related to potential items that may be included in that revision.

Action Items

No regulatory decisions were made at the closed meeting.

If you have any questions or comments, please contact me at (301) 415-8740 or via e-mail at: David.Tiktinsky@nrc.gov.

Enclosure:
Attendees List

cc: see next page

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DATE	08/8/16	08/8/16	08/9/16	08/9/16

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CLOSED MEETING TO DISCUSS CB&I AREVA MOX SERVICES REVISION TO THE FUNDAMENDAL NUCLEAR MATERIAL CONTROL PLAN, THE CLASSIFIED MATTER PROJECTION PLAN, AND THE PHYSICAL PROTECTION PLAN FOR MIXED OXIDE FUEL FABRICATION FACILITY UNDER CONSTRUCTION IN AIKEN, SOUTH CAROLINA

June 21, 2016

Attendees List

Dealis Gwyn	MOX Services
Gary Clark	MOX Services
Jay Riggins	MOX Services
David Tiktinsky	NRC/NMSS
Doug Hase	NRC/NSIR
Rebecca Stone	NRC/NSIR
Suzanne Ani	NRC/NMSS
Tom Pham	NRC/NMSS
Glenn Tuttle	NRC/NMSS

Enclosure