



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 14, 2017

Mr. Dealis W. Gwyn
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SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION EVALUATION OF REVISION TO
THE "FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN, DATED
APRIL 25, 2016, AS REVISED OCTOBER 17, 2016" FOR THE MIXED OXIDE
FUEL FABRICATION FACILITY

Dear Mr. Gwyn:

On April 25, 2016, CB&I AREVA MOX Services (MOX Services) submitted revisions to the Fundamental Nuclear Material Control Plan (FNMCP), now called the Material Control and Accounting Plan (MC&A Plan) for the Mixed Oxide Fuel Fabrication Facility for review and approval (Agencywide Documents Access and Management System [ADAMS] Accession Number ML16138A069). The revision was supplemented by a letter dated October 17, 2016 (ML16299A277).

The changes in the April 2016 revision involved a total rewrite of the document. The revised MC&A Plan is organized into new sections by subject matter, as indicated in the Table of Contents. The evaluation of the submittal was conducted in order to ensure that the revised Plan continues to meet the applicable requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 74, "Material Control and Accounting of Special Nuclear Material." Specifically, the review was performed to ensure that the revised Plan describes the MC&A system, how the system features, and capabilities specified in 10 CFR Paragraph 74.51(b) are achieved and maintained and how such features and capabilities are used to achieve the general performance objectives listed in 10 CFR 74.51(a).

As stated in the enclosed Safeguards Evaluation Report, the U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the changes requested by MOX Services in the revision and concluded that the revised MC&A Plan is an acceptably robust document for facility operations and that it contains appropriate and necessary commitments to meet applicable MC&A requirements as stipulated in 10 CFR Part 74. The MOX Services MC&A Plan revision dated April 25, 2016, as revised October 17, 2016, continues to describe acceptable methods for achieving the general performance objectives in 10 CFR 74.51(a) and the system features and capabilities of 10 CFR 74.51(b).

In accordance with 10 CFR Section 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter and Enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

D. Gwyn

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If you have any questions, please contact me at (301) 415-8740, or via e-mail at:
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Sincerely,

/RA/

David Tiktinsky, Senior Project Manager
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and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-3098

Enclosure:
Safeguards Evaluation Report

cc w/Enclosure:
See next page

U.S. NUCLEAR REGULATORY COMMISSION EVALUATION OF REVISION TO THE
"FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN, DATED APRIL 25, 2016, AS
REVISED OCTOBER 17, 2016" FOR THE MIXED OXIDE FUEL FABRICATION FACILITY

ADAMS Package Accession No: ML17037D138

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OFFICIAL RECORD COPY

cc w/Enclosure:

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