



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001
January 29, 2016

Mr. Dealis W. Gwyn
Licensing Manager
CB&I AREVA MOX Services
P.O. Box 7097
Aiken, SC, 29804-7097

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION RESPONSE TO MIXED OXIDE SERVICES REQUEST RELATED TO THE DEVELOPMENT OF TITLE 10 OF THE *CODE OF FEDERAL REGULATIONS* PARAGRAPH 70.23(a)(8) COMPLETION PROCESS

Dear Mr. Gwyn:

On December 21, 2015, CB&I AREVA Mixed Oxide (MOX) Services submitted a document discussing its approach related to providing support to the staff's verification of Principal Structures, Systems and Components (PSSC) as required by Title 10 of the *Code of Federal Regulations* (10 CFR) Paragraph 70.23(a)(8). This verification is required prior to the issuance of a license to possess and use special nuclear material.

Your letter: a) described the process that will be used to provide timely support of the U.S. Nuclear Regulatory Commission (NRC) PSSC verification that will be documented in a update to the License Application; b) provided a crosswalk that correlates PSSCs with the Integrated Safety Analysis Summary Items Relied on for Safety; and c) committed to submit PSSC completion letters to the NRC to provide timely notification.

Additionally, the letter requested that NRC provide notification to MOX Services of PSSC completions that are accepted by the NRC.

We believe that MOX Services actions, as outlined in the letter, will help support the staff's ability to make the necessary findings related to PSSC verification as required in 10 CFR 70.23(a)(8). The staff will notify MOX Services upon its completion of its PSSC verification. Note that verification of individual PSSCs is dependent on MOX Services maintaining the "completion state" of the respective PSSC. The staff also plans on preparing a supplemental Safety Evaluation Report after it is completed verification of all PSSCs.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (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

- 2 -

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

Sincerely,

/RA/

David Tiktinsky, Senior Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-3098

cc: See next page

D. Gwyn

- 2 -

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

Sincerely,

David Tiktinsky, Senior Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-3098

cc: See next page

DISTRIBUTION:

FCSS, r/f
K Morrissey, FCSS

DMcIntyre, OPA

MDiaz, FCSS

WGloersen, RII

ADAMS Accession No. : ML16012A111

OFFICE	FCSE/FMB	FCSE/FMB	FCSE/FMB
NAME	DTiktinsky	TBrokington	RJohnson
DATE	1/14/16	1/27/16	1/29/16

OFFICIAL RECORD COPY

cc:

Mr. Scott Cannon
Federal Project Director
NA-262.1
P.O. Box A
Aiken, SC 29802

Mr. Sam Glenn, Deputy
Federal Project Director
NA-262.1
P.O. Box A
Aiken, SC 29802

Mr. Joseph Olencz, NNSA/HQ
1000 Independence Ave., SW
Washington, DC 20585

Ms. Joyce Connery, Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Ave., NW, Suite 700
Washington, DC 20004

Susan Jenkins
Division of Radioactive Waste Management
Bureau of Health and Environmental Control
2600 Bull St.
Columbia, SC 292011

D. Silverman
Morgan, Lewis, & Bockius
1111 Penn. Ave., NW
Washington, DC 20004

Diane Curran
Harmon, Curran, Spielberg & Eisenberg, LLP
1726 M St., NW
Suite 600
Washington, DC 20036

G. Carroll
Nuclear Watch South
P.O. Box 8574
Atlanta, GA 30306

L. Zeller
Blue Ridge Environmental Defense League
P.O. Box 88
Glendale Springs, NC 28629