



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

January 23, 2018

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 ACCEPTANCE OF THE  
SUMMARY OF CHANGES TO THE APPLICATION FOR THE MIXED OXIDE FUEL  
FABRICATION FACILITY 2017 UPDATE

Dear Mr. Gwyn:

On January 19, 2017, CB&I AREVA MOX Services (MOX Services) submitted the following documents: (a) an updated license application (LA) for the MOX Fuel Fabrication Facility; (b) an updated Integrated Safety Analysis Summary (ISAS); and (c) a brief summary of changes to the LA and ISAS.

We have reviewed your summary of changes to the LA and ISAS. In addition, the staff performed an inspection of the change process during the third quarter of 2017. The inspectors selected a sampling of the changes submitted by MOX Services as part of the January 2017 update to the LA and ISAS. The samples were selected in a variety of disciplines and related to the changes with a higher degree of safety significance. The technical disciplines included fluid mechanics, HVAC, process piping, chemical safety, criticality safety, fire safety, emergency power, load handling, electrical power, and software. The inspectors verified that the selected samples did not result in a change to the LA or ISAS. The inspectors also evaluated selected Applicability Determination Forms (ADFs) to determine whether the change process outlined Chapter 16 of the LA functioned as required and whether the evaluations were properly screening changes in order to assure that the applicants commitments related to the regulatory requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 70 have been met. The inspectors reviewed the summary list of changes and selected targeted samples from the summary list of facility changes which MOX Services determined did not require pre-approval in accordance with 10 CFR Paragraph 70.72(d)(2) and Chapter 16 of the LA.

The conclusions of the inspection, as documented in Inspection Report 70-3098/2017-003, dated October 30, 2017, (see Agencywide Documents Access and Management System [ADAMS] Accession Number ML17303B199) stated that the change process, as outlined in Chapter 16 of the LA, was performed by the applicant in accordance with project procedures. Based on the review of the selected ADFs, the inspectors had reasonable assurance that the change process, as defined in Chapter 16 of the LA, was adequately screening changes to the LA and ISAS; and for the changes reported, a license amendment was not needed. No findings of significance were identified.

In accordance with 10 CFR Section 2.390 of the U.S. Nuclear Regulatory Commission's (NRC's) "Agency Rules of Practice and Procedure," a copy of this letter will be available

D. Gwyn

- 2 -

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>.

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

cc List

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

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

Ms. Susan Jenkins  
Division of Radioactive Waste Management  
Bureau of Health and Environmental Control  
2600 Bull St.  
Columbia, SC 29201

Ms. Kathryn M. Sutton  
Morgan, Lewis, & Bockius  
1111 Penn. Ave., NW  
Washington, DC 20004

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

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

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

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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION ACCEPTANCE OF THE  
SUMMARY OF CHANGES TO THE APPLICATION FOR THE MIXED OXIDE FUEL  
FABRICATION FACILITY 2017 UPDATE

DATE: January 23, 2018

**DISTRIBUTION:**

FCSE, r/f  
P. Carman, RII

MDiaz, NMSS

JEagle, RII

**ADAMS Accession No.:ML18016A308**

<b>OFC</b>	FCSE/FMB	FCSE/FMB	FCSE/FMB	FCSE/FMB
<b>NAME</b>	DTiktinsky	TBrockington	RJohnson	DTiktinsky
<b>DATE</b>	1/17/18	1/19/18	1/22/18	1/23/18

**OFFICIAL RECORD COPY**