

November 21, 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 ACCEPTANCE OF THE  
SUMMARY OF CHANGES TO THE APPLICATION FOR THE MIXED OXIDE FUEL  
FABRICATION FACILITY 2016 UPDATE

Dear Mr. Gwyn:

On January 20, 2016, CB&I AREVA Mixed Oxide Services (MOX Services) submitted the following documents: (a) an updated license application (LA) for the Mixed Oxide 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 2016. 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 Title 10 of the *Code of Federal Regulations* (10 CFR) Paragraph 70.72(d)(2) and Chapter 16 of the LA. The targeted samples were selected based on a variety of engineering disciplines including fluid mechanics, heating, ventilating, and air conditioning, piping, chemical safety, criticality safety, fire safety, the structure, and the sintering furnace, and considered the safety significance of the changes. The summary included changes to process safety information, the integrated safety analysis, and management measures. In addition, the summary included changes that potentially impacted the LA as discussed in revised LA Chapter 16.2.3.

The conclusions of the inspection, as documented in Inspection Report 70-3098/2016-003, dated October 17, 2016, (see Agencywide Documents Access and Management System [ADAMS] Accession Number ML16292A868) stated that the change process, as outlined in Chapter 16 of the LA, was performed by the applicant in accordance with project procedures. The inspectors had reasonable assurance that the evaluations properly screened changes to assure that the applicant's commitments related to the regulatory requirements of 10 CFR Part 70 were met. For the changes reviewed, a license amendment was not needed. Audit findings from Quality Assurance Audit Report No.: SA-15-A03 associated with the facility change process were appropriately captured as action tracking items and corrected. No findings of significance were identified.

D. Gwyn

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Based on our review of your submittals and the inspection of the change process, we find that MOX Services was authorized to make the changes identified without prior U.S. Nuclear Regulatory Commission (NRC) approval pursuant to 10 CFR Part 70 for changes to the ISAS, and Chapter 16 of the LA (authorizations and exemptions) for changes to the LA.

In accordance with 10 CFR Section 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 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

D. Gwyn

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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

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