



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 2, 2018

Mr. David Del Vecchio
President and Chief Operating Officer
CB&I AREVA MOX Services
Savannah River Site
P.O. Box 7097
Aiken, SC 29804-7097

**SUBJECT: APPLICANT PERFORMANCE REVIEW OF AUTHORIZED CONSTRUCTION
ACTIVITIES FOR CB&I AREVA MOX SERVICES MIXED OXIDE FUEL
FABRICATION FACILITY – NRC REPORT NUMBER 70-3098/2018-001**

Dear Mr. Del Vecchio:

The U.S. Nuclear Regulatory Commission (NRC) staff has completed the annual performance review of the Mixed Oxide (MOX) Fuel Fabrication Facility (MFFF) construction activities authorized by NRC Construction Authorization Number (No.) CAMOX-001. The NRC reviewed inspection results and enforcement actions from January 1, 2017, through December 31, 2017. The purpose of this letter is to inform you of the NRC's assessment of the safety performance at your facility during this period and any changes to our planned inspections at your facility.

The NRC determined that the MFFF was being constructed in a manner that preserved public health and safety and was consistent with the Commission's rules and regulations and the conditions of CAMOX-001. Our inspections indicated that your construction program was sufficiently implemented to support ongoing construction activities. CB&I AREVA MOX Services (MOX Services) management and quality assurance oversight adequately monitored and assessed onsite construction activities. The corrective action program implementation activities, including initiation, classification, disposition, adequacy in the documentation, and trending were deemed satisfactory.

In summary, plant performance for the first calendar quarter in 2017 at the MFFF was within the Regulatory Response Column (Column 2) of the Construction Action Matrix (CAM) as defined in Exhibit 1 of NRC Inspection Manual Chapter (IMC) 2630, Mixed Oxide Fuel Fabrication Facility Construction Inspection Program, dated May 9, 2014. This was described in our assessment follow-up letter of authorized construction activities for CB&I AREVA MOX Services Mixed Oxide Fuel Fabrication Facility, dated November 29, 2016 (ML16336A268). Our assessment follow-up letter of authorized activities, dated May 10, 2017 (ML17130A830), transitioned the MFFF to the Licensee Response Column (Column 1) of the CAM during the second calendar quarter. Plant performance during the last three calendar quarters in 2017 remained within Column 1 of the CAM based on no findings of significance being identified. Therefore, the NRC plans to conduct routine inspections of the principal structures, systems, and components consistent with IMC 2630 and commensurate with on-going activities at the MFFF. It is important that you keep us apprised of any project or construction schedule changes as soon as

they are identified, in order to maintain our inspection plan current. Your staff will be informed of changes and/or additions to our inspection schedule. In conclusion, project performance for this assessment period was acceptable.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the 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).

If you have any questions regarding this matter, please contact Michael Ernstes at (404) 997-4540.

Sincerely,

/RA/

Michael Ernstes, Chief
Construction Inspection Branch 2
Division of Construction Oversight

Docket No. 70-3098
Construction Authorization No. CAMOX-001

Enclosure:
Applicant Performance Review

cc w/encl: (See page 3)

cc:

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Letter to Mr. David Del Vecchio from William Jones dated March 2, 2018

SUBJECT: APPLICANT PERFORMANCE REVIEW OF AUTHORIZED CONSTRUCTION ACTIVITIES FOR CB&I AREVA MOX SERVICES MIXED OXIDE FUEL FABRICATION FACILITY, DOCKET NUMBER 70-3098

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 ADAMS: Yes
 ACCESSION NUMBER: ML18060A450
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 FORM 665 ATTACHED

OFFICE	RII: DCO	RII: DCO	NMSS: FCSE	NMSS: FCSE	RII: DCO	
SIGNATURE	JE via-email	PC via email	RJ via email	DT via email	MEE	
NAME	J. Eargle	P. Carman	R. Johnson	D. Tiktinsky	M. Ernstes	
DATE	2/28/2018	2/28/2018	3/1/2018	2/28/2018	03/02/18	
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\CC\DCO\BRANCH 3\CPB1\MOX FFF\ASSESSMENTS\2017\2017 EOC\2017 MFFF APR LETTER TO APPLICANT FINAL.DOCX

**APPLICANT PERFORMANCE REVIEW
FOR CB&I AREVA MOX SERVICES
ASSESSMENT PERIOD: January 1, 2017 – December 31, 2017**

The following is a summary of the relevant performance areas of CB&I AREVA MOX Services (MOX Services) in the conduct of NRC authorized construction activities.

I. ASSESSMENT AREA: QUALITY ASSURANCE PROGRAM

This area is comprised of quality assurance program implementation; design and document control; control and inspection of materials, equipment and services; inspection, test control, and control of measuring and test equipment; problem identification, resolution, and corrective action; 10 CFR Part 21 reporting; and control of the electronic management data.

Performance

No specific performance issues were identified. Performance warrants the routine inspection program consistent with NRC Inspection Manual Chapter (IMC) 2630, Mixed Oxide Fuel Fabrication Facility Construction Inspection Program, dated May 9, 2014, and commensurate with on-going construction activities at the Mixed Oxide (MOX) Fuel Fabrication Facility (MFFF). Identified deficiencies will be addressed through MOX Services' corrective action program.

II. ASSESSMENT AREA: CONSTRUCTION OVERSIGHT

This area is comprised of facility construction and maintenance activities of principle structures, systems, and components (PSSCs), including onsite construction activities, engineering activities, supplier and vendor fabrication activities, and maintaining the validity of prior PSSC completion conclusions.

Performance

No specific performance issues were identified. Performance warrants the routine inspection program consistent IMC 2630 and commensurate with on-going construction activities at the MFFF. Identified deficiencies will be addressed through MOX Services' corrective action program.

III. ASSESSMENT AREA: OTHER AREAS

This area is comprised of licensing activities, licensing of new processes, licensing basis document submittals, and deviations from commitments.

Performance

No specific performance issues were identified.