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U.S. Nuclear Regulatory Commission
Washington, DC 20555

DCS-NRC-000487
19 September 2018

Subject: Docket Number 070-03098
CB&I AREVA MOX Services
Mixed Oxide Fuel Fabrication Facility
Request for Conforming Amendment to Construction Authorization No.
CAMOX-001 Regarding Corporate Name Change

On August 16, 2018, the name of CB&I AREVA MOX Services, LLC was changed to MOX Services, LLC. The name change involves no change of control, direct or indirect, of CAMOX-001, no change in the technical and financial qualifications of MOX Services, LLC and no change in the day-to-day management or operation of MOX Services, LLC.

Accordingly, MOX Services, LLC is hereby requesting that the NRC issue conforming amendments to CAMOX-001 to reflect the name change (i.e., "CB&I AREVA MOX Services, LLC" to "MOX Services, LLC"). We are enclosing a proposed amended version of CAMOX-001 which reflects the desired changes.

If you have any questions, please feel free to contact me at (803) 442-6485 or our Licensing and Nuclear Safety Manager, Dealis Gwyn, at (803) 819-2780

Sincerely,

A handwritten signature in blue ink, appearing to read "David Del Vecchio", with a long horizontal flourish extending to the right.

David Del Vecchio
President and Project Manager

DCS-NRC-000487
19 September 2018
Page 2 of 2

Enclosure: Proposed Amended Version of CAMOX-001

cc (w/encl.):

David Tiktinsky, USNRC/HQ

cc (w/o encl.):

Scott Cannon, NNSA/SRS
Paul Carman, USNRC/RII
Jason Eargle, USNRC/RII
Michael Ernstes, USNRC/RII
David Faubert, NNSA/SRS
Dealis W. Gwyn, MOX Services
Dennis Ivey, MOX Services
Gilles Rousseau, MOX Services
Kathryn Sutton, ML&B LLP
Paul Whittingham, MOX Services
Bryan Wilkes, MOX Services
Lauren Wylie, MOX Services
Doug Yates, MOX Services
MOX Project Management Office Document Control Administrator (moxpmodca@srs.gov)

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Enclosure
Proposed Amended Version of CAMOX-001

CB&I AREVA MOX SERVICES, LLC

DOCKET NO. 70-3098

MIXED OXIDE FUEL FABRICATION FACILITY

CONSTRUCTION AUTHORIZATION

Construction Authorization No. CAMOX-001, Revision 4

1. The United States Nuclear Regulatory Commission (the Commission) having found that:
 - A. the Construction Authorization Request (CAR), as revised, submitted by **CB&I AREVA MOX Services, LLC (MOX Services)** [~~formerly known as Shaw AREVA MOX Services with a previous name of Duke Cogema Stone and Webster, LLC~~] complies with the requirements of the Atomic Energy Act of 1954, as amended (the Act), and the rules and regulations of the Commission, and there is reasonable assurance that the activities authorized by this construction authorization, as revised, will be conducted in compliance with those rules and regulations, as more fully documented in the Final Safety Evaluation Report (FSER) in the CAR;
 - B. in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 70.23(b), on the basis of information described in the CAR, as revised, ~~and the additional statements and commitments heretofore made by MOX Services in docketed correspondence listed in Attachment A,~~ the design bases of the principal structures, systems, and components (PSSCs) for the proposed Mixed Oxide Fuel Fabrication Facility (MFFF) [sometimes referred to, hereafter, as “the facility”], and the quality assurance program, provide reasonable assurance of protection against natural phenomena and the consequences of potential accidents;
 - C. findings necessary to authorize possession and use of licensed material at the facility are deferred pending evaluation of an application requesting such a license;
 - D. after weighing the environmental, economic, technical, and other benefits of the facility against environmental costs, and considering available alternatives, the issuance of a construction authorization, as revised, is in accordance with 10 CFR 70.23(a)(7), 10 CFR Part 51, and the requirements of Sections 102(2)(A) and (C) of the National Environmental Policy Act; and
 - E. the issuance of this construction authorization, as revised, will not be inimical to the common defense and security, and will not constitute an unreasonable risk to the health and safety of the public.

Pursuant to 10 CFR Part 70, the Commission hereby issues a construction authorization, as revised, to MOX Services for a plutonium processing and fuel fabrication plant as described in the revised CAR filed by MOX Services. The plant, known as the MFFF, will be located on the U.S. Department of Energy’s (DOE’s) Savannah River Site, near Aiken, South Carolina.

3. This construction authorization, as revised, is subject to all applicable requirements of the Act and the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. Authorized activity: To construct a plutonium processing and mixed oxide fuel fabrication plant in accordance with the statements, representations, and conditions of: (1) the CAR dated October 30, 2002 (as revised in supplements dated December 12, 2002; February 18, 2003; April 1, 2003; April 8, 2003; July 28, 2003; June 10, 2004; January 27, 2005, and February 9, 2005); (2) the MOX Project Quality Assurance Plan, dated March 26, 2002 and supplements thereto; and (3) the Environmental Report, dated December 19, 2000 (as revised in supplements dated July 11, 2002; December 10, 2002; January 15, 2003; June 20, 2003; August 13, 2003; and June 10, 2004) and as revised in the License Application (LA), dated September 26, 2006, and supplements thereto;
 - B. The facility shall be constructed and located at the site, as described in the CAR, on the DOE's Savannah River Site, near Aiken, South Carolina.
 - C. This construction authorization authorizes MOX Services to construct the facility in accordance with the design bases of the PSSCs described in the CAR as refined in the LA's items relied on for safety design basis sections (and supplements thereto), and environmental protection commitments set forth in MOX Services' Environmental Report and revisions thereto.
 - D. During construction of the facility, the inspection program set forth in 10 CFR 70.55 will apply to all of MOX Services' construction-related activities.
 - E. As more fully set forth in the FSER for the CAR, the facility will be designed so that effective neutron multiplication factor (k_{eff}) shall not exceed an upper subcritical limit of 0.9249 for normal and credible abnormal conditions covered by Area of Applicability (4), [AOA(4)]. MOX Services shall not increase the k_{eff} limits or change the AOA boundaries beyond those contained in FSER Chapter 6 without prior Commission's review and approval.
4. This construction authorization is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission until the Commission has reviewed and approved a request by MOX Services for a license to possess and use licensed material at the facility.

5. This construction authorization is effective as of its original date of issuance, and shall expire on March 30, 2025. However, the Director of the Office of Nuclear Material Safety and Safeguards may, in writing and for good cause, shown by MOX Services in writing, not less than 90 days before the date of expiration, extend this authorization.

For the U.S. Nuclear Regulatory Commission

/RA/

Robert Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle, Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Date of Issuance: November 13, 2014