



U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

DCS-NRC-000289  
08 February 2011

**SUBJECT:** Docket Number 07-03098  
Shaw AREVA MOX Services  
Mixed Oxide Fuel Fabrication Facility  
Request to Amend Construction Authorization

**REFERENCE:** (1) J.G. Giitter (NRC) letter to K.D. Stinson (DCS), Revision 2 of Construction Authorization No. CAMOX-001 for the Mixed Oxide Fuel Fabrication Facility, NRC-DCS-000538, June 12, 2008  
(2) K.D. Stinson (DCS) letter to Document Control Desk (NRC), Submittal of License Application, DCS-NRC-000190, 27 September 2006  
(3) M.G. Bailey (NRC) letter to K. Trice (DCS), Final Safety Evaluation Report for Review of the Application to Possess and Use Radioactive Material for the Mixed Oxide Fuel Fabrication Facility under construction on the Savannah River Site near Aiken, SC, NRC-DCS-000542, December 14, 2010

Shaw AREVA MOX Services is requesting that the NRC amend the Construction Authorization (CAMOX-001, Revision 2) (Ref 1) such that it acknowledges our License Application (LA) and subsequent updates. As discussed below, this is an administrative change to reflect subsequent submittals and reviews associated with the License Application to receive and possess special nuclear material.

The License Application contains updates to project commitments and design basis information previously submitted in the Construction Authorization Request (CAR). These updates were reviewed by the NRC during its review of our License Application and associated submittals to receive and possess special nuclear material. The results of the NRC review were documented in *Final Safety Evaluation Report for the License Application to Possess and Use Radioactive Material at the Mixed Oxide Fuel Fabrication Facility in Aiken, SC*, December 2010 (Ref 3). Clarifying the Construction Authorization to acknowledge project updates since the CAR was approved will minimize potential confusion regarding the current licensing basis during construction and operation.

In addition, as stated in the initial submittal of the LA (Ref 2), Construction Authorization condition 3.F is satisfied by the fact that the Emergency Control Room HVAC is not a credited IROFS for an ISA event for habitability. The NRC's SER also did not identify an

DCS-NRC-000289  
U.S. Nuclear Regulatory Control  
08 February 2011  
Page 2 of 2

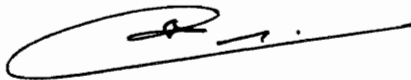
event where the Emergency Control Room HVAC is required to be a credited IROFS for habitability. For clarification, MOX Services requests that the NRC delete condition 3.F from the Construction Authorization.

The specific changes requested by MOX Services are provided in Attachment 1.

If you have any questions, please feel free to contact me at 803-819-2156 or Dealis Gwyn, Licensing Manager, at 803-819-2780.

Sincerely,

For KELLY TRICE, ERIC CHASSARD



Kelly D. Trice  
President and COO

Enclosures:

Attachment 1: Request Changes to Shaw AREVA MOX Services Construction  
Authorization CAMOX-001, Rev 2

cc (w/encl.):

Eric Chassard, MOX Services  
Mostafa Dayani, NNSA/SRS  
Carol Elliott, NNSA/SRS  
Sam Glenn, NNSA/SRS  
William Gloersen, USNRC/RII  
Dealis Gwyn, MOX Services  
Kevin Morrissey, USNRC/HQ  
Clay Ramsey, NNSA/SRS  
Deborah Seymour, USNRC/RII  
Melvin Shannon, USNRC/SRS  
George Shell, MOX Services  
Donald Silverman, ML&B  
David Tiktinsky, USNRC/HQ  
EDMS: Corresp\Outgoing\NRC\2011 NRC\DCS-NRC-000289

**Attachment 1**

**Request Changes to Shaw AREVA MOX Services Construction Authorization  
CAMOX-001, Rev 2**

1. In Section 3.A. (Authorized activity), change (1) to “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) and as revised in the LA dated September 26, 2006 and supplements thereto); “
2. In Section 3.C., change to “This 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 IROFS design basis sections (and supplements thereto), and environmental protection commitments set forth in MOX Services’ Environmental Report and revisions thereto.
3. Delete 3.F in its entirety