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U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

28 May 2013
DCS-NRC-000353

Subject: Docket Number 07-03098
Shaw AREVA MOX Services
Mixed Oxide Fuel Fabrication Facility
Part 21 60-Day Interim Report Notification:
Weld Wire Samples for Commercial Grade Dedication

This letter provides information concerning an evaluation being performed by Shaw AREVA MOX Services, LLC (MOX Services) regarding a deviation. The deviation being evaluated pertains to the procurement of gloveboxes and their support structures where the appropriate number of samples for weld wire used in the welding process was not obtained for testing as required by the supplier's commercial grade dedication procedure.

MOX Services has not concluded that this is a reportable condition in accordance with the requirements of 10CFR 21.21(d) and continued evaluation is required to determine the adequacy of the weld wire used in the glovebox welds. Some testing was performed on the weld material by the supplier and test results have indicated that the weld wire is in accordance with applicable specifications. No remnants of the weld materials used remain to perform additional testing; therefore MOX services will apply additional controls to validate that the weld material, as deposited, will perform its intended safety function.

The information required for a 60-Day Interim Report Notification per §21.21(a)(2) and the commitment for follow-on action is provided in the Enclosure.

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

Sincerely,

A handwritten signature in cursive script that reads "Kelly D. Trice".

Kelly D. Trice, President and COO

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Enclosure:

60-Day Interim Report Notification Information per §21.21(a)(2)

cc :

Scott Cannon, NNSA/SRS
Sam Glenn, NNSA/SRS
William Gloersen, USNRC/RII
Dealis Gwyn, MOX Services
Mark Maier, MOX Services
Stephen Marr, MOX Services
Kevin Morrissey, USNRC/HQ
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Donald Silverman, ML&B
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Rodney Whitley, MOX Services
Bryan Wilkes, MOX Services
EDMS: Corresp\Outgoing\NRC\2013 NRC

Enclosure

60-Day Interim Report Notification Information per §21.21(a)(2)

60-Day Interim Report Notification Information per §21.21(a)(2)

- (i) Name and address of the individual or individuals informing the Commission.

Kelly D. Trice
President and Chief Operating Officer
Shaw AREVA MOX Services
Savannah River Site
P.O. Box 7097
Aiken, SC 29804-7097

- (ii) Identification of the facility, the activity, or the basic component supplied for such facility which fails to comply or contains a defect.

The Mixed Oxide Fuel Fabrication Facility is potentially affected by a deviation associated with the procurement of gloveboxes and their support structures where the appropriate number of samples for weld wire used in the welding process were not obtained as required by the commercial grade dedication package and MOX Services' procurement specification.

- (iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

The weld wire samples and testing are for Gloveboxes KDM*GB6200, KDM*GB7000, KDA*GB7000 & KDM*GB7200 that are being supplied to MOX Services by Byers Precision Fabricators.

- (iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

Verification that the weld wire used to fabricate the gloveboxes and supports are consistent with the design is an important aspect in providing assurance that the components will provide the intended safety function. Sample plans are imposed to verify that sufficient evidence is provided that the materials are consistent with the design. The supplier did not obtain a sufficient number of weld wire samples for testing. Some testing was performed on the weld material by the supplier and test results have indicated that the weld wire is in accordance with applicable specifications. No remnants of the weld materials used remain to perform additional testing; therefore MOX services will perform additional testing as necessary to validate that the weld material, as deposited, will perform its intended safety function.

- (v) The date on which the information of such defect or failure to comply was obtained.

The deviation was identified by non-conformance report on March 29, 2013.

- (vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities

subject to the regulations in this part.

MOX Services does not possess information as to whether other facilities have been supplied a similar basic component by Byers Precision Fabricators.

- (vii) The corrective action, which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Non-Conformance Report NCR 13-4935 will evaluate the adequacy of the weld wire used in glovebox fabrication via testing to support this commercial grade dedication. MOX Services will complete the Part 21 reportability evaluation by July 25, 2013.

- (viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

None.

- (ix) In the case of an early site permit, the entities to whom an early site permit was transferred.

This is not an early site permit concern.