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

04 October 2012
DCS-NRC-000329

Subject: Docket Number 07-03098
Shaw AREVA MOX Services
Mixed Oxide Fuel Fabrication Facility
Part 21 60-Day Interim Report Notification:
HVAC Duct Spool Minimum Wall Thickness

This letter provides information concerning an evaluation being performed by Shaw AREVA MOX Services, LLC (MOX Services) regarding a deviation identified by MOX Services. The deviation being evaluated pertains to the procurement of 12" Diameter, 16 Ga., Type 304L SS duct where ultrasonic testing has determined that the minimum wall thickness of some of the duct provided is less than the minimum wall thickness specified by MOX Services. 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 impact of using this HVAC duct which is not in accordance with MOX Services' procurement specification.

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 black ink that reads "Kelly Trice". The signature is written in a cursive, flowing style.

Kelly D. Trice, President and COO

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Enclosure:

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

cc :

Jesse Burnette, MOX Services
Mostafa Dayani, NNSA/SRS
Carol Elliott, NNSA/SRS
Sam Glenn, NNSA/SRS
William Gloersen, USNRC/RII
Mark Gober, MOX Services
Dealis Gwyn, MOX Services
Kevin Hall, NNSA/SRS
Stephen Marr, MOX Services
Kevin Morrissey, USNRC/HQ
Deborah Seymour, USNRC/RII
Melvin Shannon, USNRC/SRS
Donald Silverman, ML&B
David Tiktinsky, USNRC/HQ
Rodney Whitley, MOX Services
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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 12" i.d., (0.0565 MW), Type 304L SS duct where some of the delivered duct does not satisfy the minimum wall thickness required by 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 12" i.d., (0.0565 MW), Type 304L SS duct is being supplied to MOX Services as a basic component by Intermech.

- (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.

Following grinding activities on a duct weld, an UT thickness evaluation was performed to assure that the material thickness of the duct spool was not impacted due to grinding. At that time, UT results were also taken outside of the area affected by grinding. The UT results outside the affected area indicated an average wall thickness less than that specified by MOX Services for 16 Gage, type 304L stainless steel duct.

Additional duct, as supplied by Intermech, could be impacted and are currently being evaluated. MOX Services is evaluating minimum wall thickness and extent of impact it may have on the duct's 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 August 6, 2012.

- (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 Intermech.

- (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.

Condition Report CR 12-498 will document the corrective actions associated with the 12" i.d., Type 304L SS duct. MOX Services will complete the Part 21 reportability evaluation by May 17, 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.