



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

DCS-NRC-000391
21 April 2015

Subject: Docket Number 070-03098
CB&I AREVA MOX Services
Mixed Oxide Fuel Fabrication Facility
Part 21 60-Day Interim Report Notification: SMCI Embed Plates

This letter provides information concerning an evaluation being performed by CB&I AREVA MOX Services, LLC (MOX Services) regarding a deviation identified at the Mixed Oxide Fuel Fabrication Facility. The deviation being evaluated pertains to certain embed plates where there are some identified circumstances of undersized welds. MOX Services has not concluded that this is a reportable condition in accordance with the requirements of 10CFR 21.21(d) and additional time is required to perform inspection and evaluation of the affected material.

The information required for a 60-Day Interim Report Notification per §21.21(a)(2) is provided in Enclosure 1. It is currently expected that the evaluation of this condition will be completed by 16 September 2015.

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,

David Del Vecchio
President and Project Manager

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Enclosure:

(1) 60-Day Interim Report Notification Information per §21.21(a)(2)

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Enclosure 1

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.

David Del Vecchio
President and Project Manager
CB&I AREVA MOX Services
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- (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 evaluating a deviation associated with certain embed plates provided by SMCI where welds were found to be undersized. The welds in question do not satisfy AWS D1.1 (1998) with Visual Welds Acceptance Criteria for Structural Welding of Carbon Steel, NCIG-01, and therefore represent a failure to comply.

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

No basic components have been determined to contain a defect. The embed plates were supplied to MOX Services as a basic component by Specialty Maintenance and Construction, Inc. (SMCI) Division of MetalTek International, 4015 Drane Field Road, Lakeland, FL 22813.

- (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.

No basic components have been determined to contain a defect. This is an interim report. MOX Services has identified instances where embed plate welds fail to comply with NCIG-01 size requirements. Deviations in embed plate welds can impact the load bearing and structural capability of these components.

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

The deviations related to the SMCI embed plates were identified by non-conformance report on February 24, 2015.

- (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.

No basic components have been determined to contain a defect. This is an interim report. MOX Services is aware that CB&I issued a Part 21 interim report for Vogtle Units 3 and 4, dated January 20, 2015, related to SMCI plate welds, however, MOX Services does not possess information as to whether facilities, other than Vogtle, have been supplied a similar basic component by SMCI.

- (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.

MOX Services engineering anticipates completion of our Part 21 reportability evaluation by 16 September 2015.

- (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.

No basic components have been determined to contain a defect. This is an interim report.

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

Not applicable.