



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

DCS-NRC-000397  
23 July 2015

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

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 Flanders filter housings where the calculated reaction loads are potentially too low. 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 30 October 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,

Po Gilles ROUSSEAU

David Del Vecchio  
President and Project Manager

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NMS

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Enclosure:

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

cc :

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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  
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 evaluating a deviation associated with filter housings provided by Flanders where a calculation error resulted in filter housing weights and reaction loads being reported to MOX Services that were too low. The reaction loads are used by MOX Services in the qualification of the embed plates to which the filter housings are welded.

- (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 filter housings, associated weights and reaction loads were supplied to MOX Services as a basic component by Flanders CSC, 531 Flanders Filters Road, Washington, NC 27889.

- (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 an instance where a Flanders calculational error resulted in filter housing weights and reaction loads being reported to MOX Services that were too low. Deviations in reaction loads can affect structural capability of anchor points.

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

The deviations related to the Flanders calculation errors were identified by non-conformance report on May 26, 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.

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

- (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 30 October 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.