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To: Ops Center From: Doug Yates
Fax: 301.816.5151 Pages: 2 (excluding cover)
Phone: 301.816.5100 Date: 26 APR 17
Re: Part 21 Report - Shaw SSS Fabricators CC:

Urgent For Review Please Comment Please Reply Please Recycle

• Comments:

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NRR

DCS-NRC-000454

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Report Notification Information per §21.21(d)(4)

- (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.

MOX Services has determined that some welds on modular frame assemblies C234-PS-48800, C234-PS-10500, C234-PS-13300, C234-PS-13700 and C234-PS-13800 do not comply with AWS D1.6 in accordance with procurement specifications and require repair. These welds represent a defect in a basic component as provided by Shaw SSS Fabricators.

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

The custom designed and fabricated modular frame assemblies in question were supplied to MOX Services as basic components by Shaw SSS Fabricators, 7012 Highway 1 South, Addis, LA 70710.

- (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.

The welds requiring repair on the modular frame assemblies do not comply with AWS D1.6. MOX Services has conservatively concluded that these welds could have adversely impacted the load bearing and structural capacity of the modular frames in supporting small diameter pipe and components of various process systems.

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

Information related to the nonconforming modular assembly frame welds was documented by MOX Services on 29 September 2016.

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- (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 Shaw SSS 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.

The remaining Shaw SSS modular frame assemblies are being inspected and will be tracked to completion under MOX Services' Corrective Action Program to verify compliance with AWS D1.6. If deficiencies are found, they will be evaluated and dispositioned in accordance with MOX Services' process for the control of nonconforming items.

- (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 at this time.

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

Not applicable.