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10 CFR 21.21

April 28, 2014

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

SUBJECT: INTERIM 10 CFR PART 21 REPORT REGARDING SUB-MODULE COUPLER  
WELDING QUALIFICATION

The attachment to this letter provides an interim report in accordance with 10 CFR 21.21 pertaining to coupler welding qualification for sub-modules being supplied by CB&I Lake Charles for the Vogtle Unit 3 and 4, and V. C. Summer Units 2 and 3 AP1000 nuclear projects. It was discovered that the welding procedure specification did not properly include qualification of coupler welding.

Evaluation of reportability in accordance with 10 CFR Part 21 is not able to be completed within the 60-day evaluation period due to the need to perform qualification of the welding process used. It is currently expected that the evaluation of these conditions will be completed by June 27, 2014.

If you have any questions pertaining to this information, please contact Curtis Castell, Licensing Manager, at 980-321-8314.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Don DePierro', with a stylized flourish at the end.

Don DePierro  
Senior Vice President, Nuclear

cc: Regional Administrator, USNRC, Region II

Attachment

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## INTERIM 10 CFR PART 21 REPORT REGARDING SUB-MODULE COUPLER WELDING QUALIFICATION

This report is being provided as an interim report in accordance with 10 CFR 21.21.

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

Mr. Don DePierro  
CB&I Nuclear  
128 S. Tryon St., Suite 1000  
Charlotte, NC 28202

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

No basic components have been determined to fail to comply or contain a defect. This is an interim report. The deviations that are being evaluated are associated with structural sub-modules supplied for the construction of the AP1000 structures for V. C. Summer Units 2 and 3, and Vogtle Unit 3 and 4 nuclear projects.

(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 fail to comply or contain a defect. This is an interim report. The deviations that are being evaluated are associated with structural sub-modules supplied for the construction of the AP1000 structures for V. C. Summer Units 2 and 3, and Vogtle Unit 3 and 4 nuclear projects. The sub-modules are being supplied by CBI Lake Charles, 3191 West Lincoln Rd., Lake Charles, LA 70605.

(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 fail to comply or contain a defect. This is an interim report. The deviations that are being evaluated are associated with structural sub-modules supplied for the construction of the AP1000 structures for V. C. Summer Units 2 and 3, and Vogtle Unit 3 and 4 nuclear projects.

It was discovered that a welding procedure qualification record (PQR) had not been completed for welding of couplers being performed under Weld Procedure Specification WPS 1-1-91 by CB&I Lake Charles. This deviation is applicable to coupler welding in accordance with WPS 1-1-91. The couplers are components used to join together structural components such as reinforcing bars used within structural sub-modules. It is planned that a PQR will be completed that establishes acceptability of the welds performed under WPS 1-1-91. This is expected to resolve this condition as "not reportable." After completion and acceptance of the PQR, the evaluation of this condition under Part 21 can be completed. It is currently expected that the evaluation of these conditions will be completed by June 27, 2014.

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

The discovery date of the deviation is February 27, 2014, based on the date information was received from CBI Lake Charles regarding this deviation.

(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 fail to comply or contain a defect. This is an interim report. The deviations that are being evaluated are associated with structural sub-modules supplied for the construction of the AP1000 structures for V. C. Summer Units 2 and 3, and Vogtle Unit 3 and 4 nuclear projects.

(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.

No basic components have been determined to fail to comply or contain a defect. This is an interim report. The deviations that are being evaluated are associated with structural sub-modules supplied for the construction of the AP1000 structures for V. C. Summer Units 2 and 3, and Vogtle Unit 3 and 4 nuclear projects.

It is planned that a PQR will be completed that establishes acceptability of the welds performed under WPS 1-1-91. This is expected to resolve this condition as "not reportable." After completion and acceptance of the PQR, the evaluation of this condition under Part 21 can be completed. It is currently expected that the evaluation of these conditions will be completed by June 27, 2014.

(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.

Resolution of the welding qualification is expected to result in acceptability of the welds. Therefore, no additional action, beyond completion of the qualification process, is needed at this time.

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

Not applicable.