



CB&I
128 South Tryon Street
Charlotte, NC 28202
Tel: +1 704 343 7500
www.CBI.com

10 CFR 21.21

March 20, 2015

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

SUBJECT: UPDATED INTERIM 10 CFR PART 21 REPORT REGARDING OVERLAY
PLATE MECHANICAL COUPLER WELDS FOR VOGTLE UNITS 3 AND 4
AP1000® PROJECT

The attachment to this letter provides an updated interim report in accordance with 10 CFR 21.21 pertaining to deviations identified in mechanical coupler welds on overlay plates being supplied for Vogtle Units 3 and 4 AP1000® nuclear project construction. This issue was previously described in an interim report submitted by letter dated January 20, 2015 (NRC Log No. 2015-10-00, Accession No. ML15043A188). Additionally, Quality Assurance aspects associated with these deviations were provided in a 10 CFR 50.55(e) report for Vogtle Units 3 and 4 construction (see NRC Log No. 2015-06-00).

Evaluation for reportability in accordance with 10 CFR Part 21 was not able to be completed within the extended evaluation period due to the need for additional time to review the identified deviations and perform inspection and testing of the affected material. It is currently expected that the evaluation of this condition will be completed by June 30, 2015.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Don DePierro', written in a cursive style.

Don DePierro
Senior Vice President

cc: Regional Administrator, USNRC, Region II

Attachment

IE19
NRC

UPDATED INTERIM 10 CFR PART 21 REPORT REGARDING OVERLAY PLATE
MECHANICAL COUPLER WELDS FOR VOGTLE UNITS 3 AND 4 AP1000® PROJECT

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

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

Don DePierro
Senior Vice President
CB&I
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. Deviations were found in mechanical coupler welds on overlay plates. These overlay plates were received from SMCi Division of MetalTek International. The deviations being evaluated include some identified circumstances of weld undersize and incomplete weld fusion. The couplers are welded to the overlay plates to provide attachment locations for threaded rebar. The overlay plates provide attachment locations for various plant equipment, e.g., piping supports, cable trays, and other plant equipment.

(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 overlay plates were supplied by 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 fail to comply or contain a defect. This is an interim report. Deviations in welds for overlay plate mechanical couplers can impact the load bearing and structural capability of these structures.

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

The earliest discovery date of the identified deviations is November 22, 2014, based on date of the earliest completed inspections that identified the weld deviations. Additional time is needed for CB&I to review and evaluate the identified deviations and perform inspection and testing of the affected material. It is currently expected that the evaluation of this condition will be completed by June 30, 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 fail to comply or contain a defect. This is an interim report.

(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. Additional inspections are being performed to determine the extent of condition of the coupler weld deviation issue.

It is currently expected that the evaluation of this condition will be completed by June 30, 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.

None.

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

Not applicable.