



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

10 CFR 21.21

August 27, 2014

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

**SUBJECT: INTERIM 10 CFR PART 21 REPORT REGARDING SUBMODULE AND EMBEDMENT DEVIATIONS FOR V.C. SUMMER UNIT 2 AP1000 PROJECT**

The attachment to this letter provides an interim report in accordance with 10 CFR 21.21 pertaining to submodule and embedment deviations for the V.C. Summer Unit 2 AP1000 nuclear project. Based on information described in site quality control inspection reports, deviations were identified in the Unit 2 CA-01 and CA-05 structural submodules, and also in some safety-related embedments.

Evaluation of reportability in accordance with 10 CFR Part 21 was not able to be completed within the 60-day evaluation period due to the recent discovery that the initial evaluation of these conditions incorrectly determined that no additional evaluation was required. These conditions were discovered during reviews conducted due to discovery of other similar conditions. It is currently expected that the evaluation of these conditions will be completed by October 21, 2014.

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

Sincerely,

Don DePierro  
Senior Vice President, Nuclear

cc: Regional Administrator, USNRC, Region II

Attachment

IE19  
MRO

INTERIM 10 CFR PART 21 REPORT REGARDING STRUCTURAL SUBMODULE AND  
EMBEDMENT DEVIATIONS FOR V.C. SUMMER UNIT 2 AP1000 PROJECT

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 identified deviations pertain to V.C. Summer Unit 2 AP1000 nuclear project CA-01 and CA-05 structural submodules, and also some safety-related embedments for the Nuclear Island Auxiliary Building walls and floors.

(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 pertaining to submodule fabrication are associated with structural submodules supplied by CB&I Lake Charles, 3191 West Lincoln Rd., Lake Charles, LA 70605. The embedments with deviations were supplied by Cives Steel Company, 102 Airport Road, Thomasville, GA 31757.

(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 pertaining to CA-01 and CA-05 structural submodules include unsatisfactory welds, stud spacing, and surface indications. The deviations pertaining to the safety-related embedments for the Nuclear Island Auxiliary Building walls and floors include unsatisfactory reinforcement welds, bent studs, and plate dimensions. Evaluation of these conditions is expected to be completed by October 21, 2014.

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

The discovery dates of the deviations based on the dates of the inspection reports are June 5 and 6, 2014. Evaluation of reportability in accordance with 10 CFR Part 21 was not able to be completed within the 60 day evaluation period due to the recent discovery that the initial evaluation of these conditions incorrectly determined that no additional evaluation was required. This condition was discovered during reviews conducted due to discovery of other similar conditions.

(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.

(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.