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L-CBI-USNRC-000003
10 CFR 21.21

May 29, 2013

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

SUBJECT: UPDATED INTERIM 10 CFR PART 21 REPORT REGARDING INDETERMINATE STATUS OF REBAR SPLICES USED FOR MODULES BEING SUPPLIED TO AP1000 PROJECTS VOGTLE UNIT 3 AND V. C. SUMMER UNIT 2

By letter dated February 8, 2013, CBI Lake Charles (previously called Shaw Modular Solutions) provided to the NRC an interim 10 CFR Part 21 report for the indeterminate status of rebar splices used for modules supplied to Vogtle Unit 3 and V.C. Summer Unit 2. The February 8, 2013, letter stated the evaluation of potential reportability in accordance with 10 CFR Part 21 could not be completed within the 60 day evaluation period due to the time needed to determine the qualification status of rebar splices used in supplied modules. That letter also stated that it was expected that the determination of qualification status of the rebar splices would be made by May 30, 2013, and that if additional evaluation is required after the qualification status of the mechanical couplers is determined, information would be provided regarding the proposed completion date of that activity.

A test plan has been developed to determine the status of the mechanical splices supplied to the Vogtle and Summer projects. The estimated time needed to execute the test plan and finalize the Part 21 evaluation currently extends beyond the previously identified date of May 30, 2013. Therefore, this updated interim report is being provided. CBI Lake Charles expects to determine the qualification status of the rebar splices by July 24, 2013.

Sincerely,

Kevin Walsh
Executive Vice President, CB&I LC

cc: Regional Administrator, USNRC, Region II

Attachment: L-CBI-USNRC-000003

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D092
IE19
NRO

UPDATED INTERIM 10 CFR PART 21 REPORT REGARDING INDETERMINATE STATUS OF REBAR SPLICES USED FOR MODULES BEING SUPPLIED TO AP1000 PROJECTS
VOGTLE UNIT 3 AND V. C. SUMMER UNIT 2

This report is being provided as an updated interim report in accordance with 10 CFR 21.21. The evaluation of potential reportability in accordance with 10 CFR Part 21 could not be completed within the 60 day evaluation period due to the number of components found with noncompliances and deviations.
Therefore, it has not yet been determined if any of the identified conditions are reportable under 10 CFR Part 21 or 10 CFR 50.55(e). It is currently expected that the status of the rebar splices and finalization of the Part 21 evaluation will be completed by July 24, 2013.

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

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(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.

The Mechanical Rebar Splices installed in modules supplied to AP1000 projects Summer and Vogtle.

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

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(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.

CBI Lake Charles (previously called Shaw Modular Solutions [SMS]) installed mecahnical splices in safety-related structural modules that were not tested by the requisite qualification and production testing program as established in procurement specification requirements for these modules. A test plan has been developed to determine the status of these splices supplied to the Vogtle and Summer projects. The estimated time needed to complete the test plan and finalize

the Part 21 evaluation currently extends beyond the previously identified date of May 30, 2013. Therefore, this updated interim report is being provided.

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

December 6, 2012

(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.

The Mechanical Rebar Splices installed in modules supplied to AP1000 projects Summer Unit 2 and Vogtle Unit 3.

(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.

After identification of this issue, CBI Lake Charles (previously SMS) provided information to the purchaser (Shaw Power Group, Inc, now called CB&I Power) that described the circumstances of this deviation and the plan to conduct actions to determine and evaluate the potential impact of the failure to follow the required production and personnel testing for the affected rebar splices. As of May 29, 2013, the actions needed to complete these determinations had not been completed. Therefore, this updated interim report is being provided.

Currently there is no evidence that would indicate any of the rebar splices with indeterminate status would pose a substantial safety hazard or cause a potential defect to be installed. All of the individuals still employed that were known to have fabricated these splices have completed personnel qualification with 100% success rate. As previously stated CBI Lake Charles continues to evaluate the circumstances of this deviation and testing is ongoing. Testing has been completed on 45% of the test plan population and no failures have been identified. CBI Lake Charles will complete the testing and post-test evaluation and issue either a closure of this 10CFR Part 21 concern or issue an update based on the results of these tests, by July 24, 2013.

(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.