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September 21, 1984

Mr. James G. Keppler  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Subject: Braidwood Station Units 1 and 2  
10 CFR 50.55(e) Revised Final Report  
Concrete Expansion Anchor Installation  
NRC Docket Nos. 50-456/457

References (a): E. D. Swartz letter to J. G. Keppler  
dated June 11, 1984.

(b): E. D. Swartz letter to J. G. Keppler  
dated July 12, 1984.

Dear Mr. Keppler:

On May 11, 1984, Commonwealth Edison Company notified Mr. W. L. Forney of NRC Region III of a deficiency reportable pursuant to 10 CFR 50.55e, regarding Concrete Expansion Anchors (CEAs) installed through finished floors. Reference (a) provided information concerning this matter to fulfill the thirty day reporting requirement. Reference (b) expanded the scope to include CEA installations in surface repaired concrete. For tracking purposes, this deficiency has been assigned number 84-07.

The purpose of this letter is to revise corrective actions discussed in Reference (b) regarding new installations in finished floors. The status of corrective actions has also been updated. This letter is considered a final report.

CORRECTIVE ACTION TAKEN

For previous installations in finished floor areas (NCR L617), Sargent and Lundy has completed a walk down of the finished floor areas in order to map the size and location. At this time 313 CEA support assemblies have been identified, 258 are acceptable, 38 assemblies are being evaluated, and 17 are unacceptable due to current loading criteria. Deficiencies will be reworked in accordance with Sargent and Lundy criteria.

For new installations in finished floor areas (NCR L617), Reference (b) reported that the contractor was to notify Sargent

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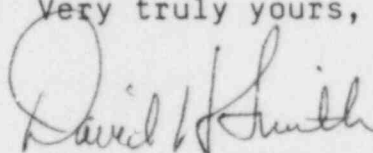
and Lundy to obtain correct embedment lengths until design documents were revised to reflect the correct lengths. It is now our intent to require contractor notification of Sargent and Lundy through Project completion. This action will provide for monitoring of the spacing of adjacent expansion anchor assemblies. Sargent and Lundy Specification BR/BY/CEA, has been revised (Rev. 20) to include this requirement. Consequently, previously issued drawings will not be revised. Upon receipt of the contractor notification, Sargent and Lundy will provide the correct embedment length.

For previous installations in surface repaired concrete areas (NCR L634), Sargent and Lundy is organizing a walk down which should be complete by October 26, 1984. After evaluation, any deficiencies will be reworked in accordance with Sargent and Lundy requirements.

For new installations in surface repaired concrete areas (NCR L634), all contractors installing CEA's were sent a set of drawings showing main patches (repairs to areas which have exposed rebar) on July 26, 1984. As new major patches are made, revised drawings will be transmitted to all CEA contractors. Physical demarcation of major patched areas in the building will be done as soon as taping material arrives on site.

Please address any questions that you or your staff may have concerning this matter to this office.

Very truly yours,



David H. Smith  
Nuclear Licensing Administrator

cc: RIII Inspector - Braidwood

Director of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555