



**Commonwealth Edison**  
One First National Plaza, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

DmB

June 11, 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) 30 Day Report  
Concrete Expansion Anchor Installation  
NRC Docket Nos. 50-456/457

Dear Mr. Keppler:

On May 11, 1984 the Commonwealth Edison Company notified Mr. W. L. Forney of your office of a deficiency reportable pursuant to 10 CFR 50.55(e), regarding Concrete Expansion Anchors installed through finished floors. For your tracking purposes, this deficiency was assigned Number 84-07.

This letter fulfills the thirty day reporting requirements of 10 CFR 50.55(e) regarding this matter, and is considered to be a final report.

DESCRIPTION OF DEFICIENCY

Contrary to Sargent and Lundy Specification BY-BR-CEA, Section 3.1.5, the embedment length of Concrete Expansion Anchors (CEAs) installed in finished slabs was measured from the elevation of the finished floor rather than from that of the rough concrete. This apparent oversight could result in CEA installations with anchor embedment lengths which are less than the required minimum.

ANALYSIS OF SAFETY IMPLICATIONS

If left undetected, equipment could potentially shift during the unlikely occurrence of a seismic event, resulting in the subsequent loss of the equipments' intended function.

CORRECTIVE ACTION TAKEN

For previous installations, Sargent & Lundy completed a walk down of the finished floor areas in order to map the size, location, and determine the acceptability of previous CEA installations. Any deficiencies (i.e. longer length CEAs required) identified will be reworked in accordance with Sargent and Lundy requirements.

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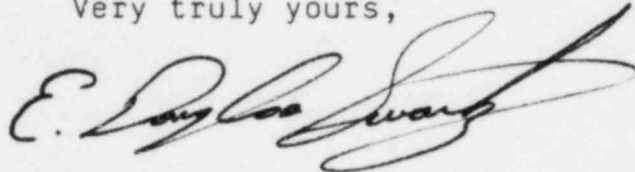
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For new installations in finished floors, all contractors installing CEAs have been instructed to notify Sargent & Lundy and obtain the correct embedment length prior to installation. This contractor notification will be required until design documents are revised to reflect the appropriate length of CEAs to be used. Commonwealth Edison Company NCR 617 was issued to document and track this deficiency until required corrective actions are complete.

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

Very truly yours,

A handwritten signature in black ink, appearing to read "E. Douglas Swartz". The signature is fluid and cursive, with a large, sweeping flourish at the end.

E. Douglas Swartz  
Nuclear Licensing Administrator

EDS/rap

cc: RIII Inspector - Braidwood

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

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