



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

*DMB*

June 12, 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) Updated Final Report  
 Cracked Battery Cells  
NRC Docket Nos. 50-456 and 50-457

Reference (a): E. D. Swartz letter to J. G. Keppler  
 dated December 2, 1983

Dear Mr. Keppler:

On December 2, 1983, the Commonwealth Edison Company provided Reference (a) to document a deficiency reportable pursuant to 10 CFR 50.55(e). For your tracking purposes, this deficiency was assigned Number 83-14.

The purpose of this letter is to provide updated information relative to the cause of the cracking of the Gould Battery Cells and actions taken by the Commonwealth Edison Company to prevent additional occurrences. Additionally, Reference (a) stated that the defective cells would be replaced. This action has since been completed.

CRACK ANALYSIS

Based on the GNB Batteries Inc. failure analysis, it was determined that the cracking was caused by the use of excessive quantities and/or prolonged exposure to a cleaning fluid. The cleaning fluid contained Trichlorethylene which acts as a stress releasing agent when it comes in contact with plastic materials.

ACTION TAKEN TO PREVENT RECURRENCE

Braidwood site specific Procedure BWHS-4009-002 is being revised to include direction as to the acceptable method of cleaning batteries. No solvents are allowed. Interim directions have been provided to L. K. Comstock and Operating. In addition, periodic battery inspections will require checks for physical defects including cracks.

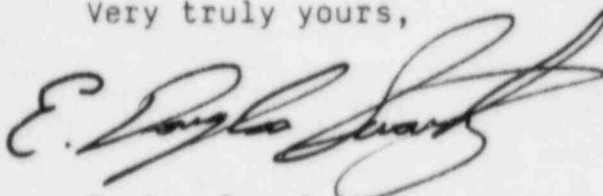
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Please address any questions that you or your staff may have concerning this matter to this office.

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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