



**Commonwealth Edison**  
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DMB

September 26, 1984

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

Subject: Byron Station Units 1 and 2  
 Braidwood Station Units 1 and 2  
 10 CFR 50.55(e) Final Report  
 Pacific Air Products Linear Torque Converters  
NRC Docket Nos. 50-454/455 and 50-456/457

- References (a): T. R. Tramm letter to J. G. Keppler  
 dated March 28, 1984
- (b): T. R. Tramm letter to J. G. Keppler  
 dated May 18, 1984

Dear Mr. Keppler:

On February 28, 1984, the Commonwealth Edison Company notified your office of a deficiency reportable pursuant to 10 CFR 50.55(e) regarding deficient Pacific Air Products Company (PAPCO) linear torque converters in HVAC damper actuators at our Byron and Braidwood Stations. References (a) and (b) provided information concerning this matter to fulfill the thirty day reporting requirement and provide interim status. For tracking purposes this deficiency was assigned Number 84-01 for Byron and 84-03 for Braidwood. The purpose of this letter is to provide a final report on the status of corrective actions at our Braidwood Station. This issue at Byron was closed during a recent inspection (50-454/84-21, 50-455/84-13). Since the issue is technically identical at Braidwood and the status of refurbishment similar to Byron's, it is suggested that the Byron review be the basis for closing the items at Braidwood.

PAPCO's Final Report [Investigative Report No. 7043-03 (Part III)] has been received and reviewed by CECO. The final report did not impact corrective actions previously recommended by PAPCO as discussed in Reference (a). The corrective actions being implemented by Commonwealth Edison Company called for return of the converters to PAPCO for refurbishment which included 1) lubrication of moving parts, 2) shaft polishing, and 3) replacing brass shaft guide bushings with an alternate material meeting IEEE Standards for cyclic wear.

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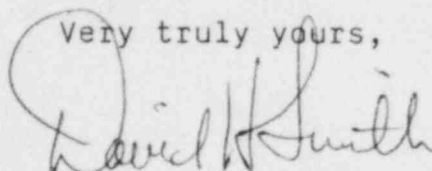
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To date, all converters at Braidwood have been sent to PAPCO for refurbishment (157 total, 138 safety-related). Approximately 110 units have been returned. It is anticipated that all units will be returned by November 1, 1984. Braidwood Station has also written maintenance procedures consistent with PAPCO's recommendations to ensure that, during operations, the units are adequately inspected and maintained.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "David H. Smith".

David H. Smith  
Nuclear Licensing Administrator

cc: NRC Resident Inspector - Braidwood

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