



**Commonwealth Edison**

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

DMB

July 23, 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  
Spring Hanger Welding Deficiency  
NRC Docket Nos. 50-454/455 and 50-456/457

References (a): T. R. Tramm letter to J. G. Keppler  
dated July 18, 1983

(b): E. D. Swartz letter to J. G. Keppler  
dated November 14, 1983

Dear Mr. Keppler:

On June 17, 1983 the Commonwealth Edison Company notified your office of a deficiency reportable pursuant to 10 CFR 50.55(e) regarding the Elcen Metal Products spring hangers at our Byron and Braidwood Stations. For your tracking purposes, this deficiency was assigned number 83-08 for Byron Station and Number 83-06 for Braidwood Station. References (a) and (b) provided the thirty day and interim reports respectively concerning this matter. The purpose of this letter is to provide the final report concerning this deficiency.

Fourteen spring hangers at each site were identified as having welded high carbon steel nuts with a carbon content in excess of the applicable ASME B&PV Code, Section III Subsection NF limit. These hangers used welded nuts with a carbon content greater than 0.35 percent. Elcen Metal Products subsequently shipped replacement spring hangers for these hangers that did not meet the Code.

IMPELL Corporation subsequently performed an evaluation and analysis of the remaining variable spring hangers with welded nuts of carbon content below 0.35 percent. The results of the IMPELL evaluation justify the use of the affected hangers for full-life service without modification or replacement of the affected Elcen spring cans. Documentation of this evaluation is available for your review in our Project Engineering Department offices.

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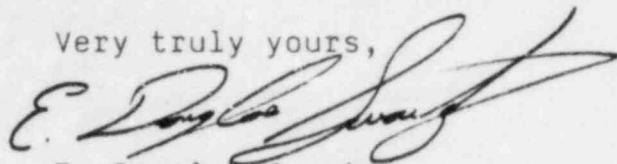
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Please address any questions that you or your staff may have concerning this matter to this office.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'E. Douglas Swartz', written in a cursive style.

E. Douglas Swartz  
Nuclear Licensing Administrator

cc: RIII Inspector - By/Bw

Director of Inspection and Enforcement  
US Nuclear Regulatory Commission  
Washington, DC 20555

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