

ILLINOIS POWER COMPANY



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U-10274
CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

Docket No. 50-461

May 7, 1985

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

SUBJECT: Potential 10CFR50.55(e) Deficiency 55-85-04:
Deficient Welds on Butterfly Dampers Supplied By
Pacific Air Products Company

Dear Mr. Keppler:

On April 4, 1985, Illinois Power Company verbally notified Mr. F. Jablonski, US NRC Region III (Ref. IP memorandum Y-26229 dated April 4, 1985) of a potentially reportable deficiency concerning the indeterminate quality of butterfly dampers installed at the Clinton Power Station (CPS) and supplied by Pacific Air Products Company. Our investigation of this issue is continuing and this letter represents an interim report in accordance with the requirements of 10CFR50.55(e). Attachment A provides the details of our investigation.

We trust that this interim report provides you sufficient background information to perform a general assessment of this potentially reportable deficiency and adequately describes our overall approach to resolve this issue.

Sincerely yours,

D. P. Hall
Vice President

ZZ/lr (NRC2)

Attachment

cc: NRC Resident Office
Director, Office of I&E, US NRC, Washington, DC 20555
Illinois Department of Nuclear Safety
INPO Records Center

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ATTACHMENT A

Illinois Power Company
Clinton Power Station

Docket No. 50-461

Potential 10CFR50.55(e) Deficiency 55-85-04
Deficient Welds on Butterfly Dampers Supplied By
Pacific Air Product Company

Interim Report

Statement of Potentially Reportable Deficiency/Background

Baldwin Associates (BA) Resident Engineering has identified a deficiency with the welds on butterfly dampers (Ref. Nonconformance Reports (NCRs) 28523 and 28526). The condition involves butterfly dampers installed in the Standby Gas Treatment (VG) and Drywell Purge Air (VQ) ventilation systems. The fillet weld attaching the damper sleeve to the damper flange failed such that the flange pulled away from the damper sleeve during bolting to the mating pipe flange. Butterfly damper 1VG17YB was returned to the Pacific Air Product Co. (PAPCO) on March 26, 1985, for repair or replacement (Ref. NCR 28526). Upon receipt, PAPCO conducted an evaluation and has determined that the cause of the weld failure was lack of adequate fusion on the fillet weld between the flange and the sleeve of the damper (Ref. PAPCO letter from L. R. Hess to R. Riedy (BA Subcontracts), dated April 1, 1985). The quality and adequacy of these dampers to perform their design function is indeterminate.

Investigation Results

Illinois Power has prepared and implemented an investigation plan to determine the extent of this deficiency at Clinton Power Station (CPS). The investigation plan includes the following actions:

1. A review to identify the number of pipe mounted dampers utilized in safety-related systems was performed. Of 27 units that are to be installed at CPS, 24 are utilized in safety-related applications.
2. An evaluation of the formal "Investigation Report" supplied by PAPCO (dated April 9, 1985), on the causes of the weld failure will be performed.
3. A review to identify other items/materials received from PAPCO will be performed, as determined from item 2 above.
4. A determination of the necessity for PAPCO to review the other welds on the pipe mounted butterfly dampers, will be made.

ATTACHMENT A
(continued)

5. The return of all pipe mounted butterfly dampers to PAPCO for repair or replacement.

Complete corrective action needed to correct the specific problems and to eliminate the root cause(s) to preclude recurrence will be addressed after further background information is evaluated.

Safety Implications/Significance

Illinois Power's investigation of this potentially reportable deficiency is continuing. The safety implications and significance will be assessed after further background information has been evaluated. It is anticipated that approximately sixty (60) days will be required to complete our investigation, determine reportability and to file a final report on the issue.