

## ILLINOIS POWER COMPANY



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U-0479  
L16-82(06-03)-L

CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

June 3, 1982

Mr. James C. Keppler  
Director, Region III  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

10 CFR Part 21 Defect  
Buffalo Forge Fans  
Docket No. 50-401/CPFR-137

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On June 26, 1981, Mr. G.W. Bell of Illinois Power notified Mr. H.M. Wescott, U.S. NRC Region III, of a potential reportable defect per 10 CFR Part 21 regarding certain fan housings supplied by the Buffalo Forge Company. Based upon an evaluation, Illinois Power is notifying the commission of a 10 CFR Part 21 defect. This report provides information as required by 10 CFR Part 21.21(6)(3).

- (i) Robert Jorgensen, Director of Engineering, Buffalo Forge Company, P.O. Box 985, Buffalo, N.Y. 14240, informed the NRC by letter to Mr. Victor Stello, Director of Inspection and Enforcement, on June 10, 1981.

Mr. G.W. Bell of Illinois Power informed Mr. H.M. Wescott, U.S. NRC Region III by telephone on June 26, 1981 of a potential 10 CFR Part 21 defect.

Mr. W.C. Gerstner, Executive Vice President of Illinois Power, by means of this report hereby informs the commission of a 10 CFR Part 21 defect.

- (ii) The components involved are the housings of certain fans produced by Buffalo Forge Company for Clinton Power Station, Clinton, Illinois. The fans involved are listed below.

<u>Equipment No.</u>	<u>Building</u>	<u>Elevation</u>
OVA04CA, CB	Control	825' 0"
OVA05CA, CB	Diesel Generator	762' 0"
1VR03CA, CB	Control	825' 0"
1VR04CA, CB	Control	719' 0"
1VT06CA, CB	Control	719' 0"
1VF03CA, CB	Diesel Generator	762' 0"
OVL02CA, CB	Diesel Generator	762' 0"

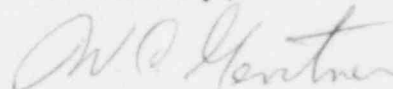
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- (iii) Buffalo Forge Company  
P.O. Box 985  
Buffalo, N.Y. 14240
- (iv) New methods of calculation for missile penetration by the vendor resulted in the determination that the fan housings are not of sufficient thickness to prevent penetration by postulated missiles. The resultant hazard is that safety related cables in the vicinity of the fans could be damaged by postulated missiles. The potential exists that the reliability of safety systems could be reduced.
- (v) Illinois Power was notified on June 17, 1982, by letter from Baldwin Associates (IP Contractor) of the potentially reportable defect. Baldwin Associates was notified on June 11, 1981, by letter from Buffalo Forge Company of the potentially reportable defect.
- (vi) A total of eighteen (18) fans were identified by the vendor as having this defect. Of the eighteen (18) fans, fourteen (14) are located in safety-related areas where postulated missiles could pose a safety hazard. The identification and location of these fourteen (14) fans are contained in item (ii) of this report.
- (vii) The missile hazard will be corrected prior to plant operation. The proposed corrective action is to weld reinforcing plates to the existing housings to eliminate the possibility of missile penetration. Design drawings detailing the required corrective action are presently being distributed to Baldwin Associates for implementation, and repairs will proceed in the near future.
- (viii) It is Illinois Power's understanding that Buffalo Forge Company is notifying their customers of the potential defect as indicated in their letter to the NRC dated June 10, 1981.

Our evaluation of this reportable defect is available for your review at our offices. I trust that this letter provides sufficient information for your review and analysis of the problem.

Sincerely,



W.C. Gerstner  
Executive Vice President

Mr. James C. Keppler  
NRC

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cc: H.H. Livermore, USNRC Resident Inspector

Director of Inspection and Enforcement - 3 copies  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Illinois Department of Nuclear Safety  
Director-Quality Assurance