

ILLINOIS POWER COMPANY



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

November 27, 1984

Docket No. 50-461

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

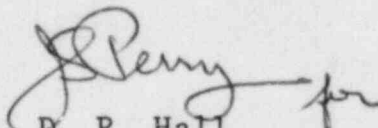
Subject: Potential 10CFR50.55(e) Deficiency 55-84-22:  
Screenhouse Gallery Platforms

Dear Mr. Keppler:

On October 17, 1984, Illinois Power Company notified Mr. F. Jablonski, NRC Region III (Ref: IP Memorandum Y-25867, dated October 17, 1984) of a potentially reportable deficiency concerning the installation of three (3) gallery platforms located in the screenhouse. Our investigation of this issue is progressing and this letter is submitted as an interim report in accordance with the requirements of 10CFR50.55(e). Attachment A provides the details of our investigation to date.

We trust that this interim report provides sufficient 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

RLC/lr(LCF)

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 55-84-22:  
Screenhouse Gallery Platforms

Interim Report

Statement of Potentially Reportable Deficiency

During the conduct of a non-safety related concrete expansion anchor test program, it was discovered that three (3) Category 1 gallery platforms, located in the screenhouse, had been installed as non-safety related. An investigation and evaluation of this issue is being performed to determine the extent of the problem, root cause, effect on installed hardware, and significance to the safety of operation of CPS.

Background

As a result of a non-safety related concrete expansion anchor test program, a violation of bolt spacing requirements was noted for the concrete expansion anchors which supported a gallery platform located in the screenhouse, elevation 707'6". During the performance of an evaluation of the load capacities for the bolt spacing violation, Baldwin Associates Civil/Structural Engineering discovered that the gallery platform should have been installed in accordance with the requirements for Category 1 structures/components.

Investigation Results/Corrective Action

Preliminary investigation disclosed that a total of three (3) Category 1 platforms were installed as non-safety related. Nonconformance Report No. 22002 was issued to document identified discrepancies.

Further investigation revealed that the gallery platforms have safety-related conduit located directly below, and supported by these platforms. The handrails, of the platforms, encompass safety-related piping, such that the piping could be subjected to additional loads should the platform supports fail.

During the dispositioning of NCR No. 22002, Sargent & Lundy (S&L) requested verification of installation torques of the high strength bolts utilized for the gallery platforms, and inspection of the structural welds for defects. NCR No. 23162 was initiated to document identified deficiencies.

Illinois Power (IP) has prepared and is implementing an investigation plan to determine the extent of this problem at the Clinton Power Station (CPS).

ATTACHMENT A  
(continued)

The investigation plan includes:

1. A review of documentation will be performed to determine the cause for the gallery platform steel being receipt inspected and installed as non-safety related.
2. An evaluation will be performed by Sargent & Lundy and Illinois Power to determine if the gallery steel is usable in a Category 1 structure.
3. A thorough review will be performed of Structural Travelers to ensure that this problem is limited to the three (3) identified screenhouse gallery platforms.
4. Sargent & Lundy will perform a review for adequacy of the gallery platforms to carry design loads.

The complete scope and root cause(s) of this issue have not yet been identified, such that a determination of remedial and generic corrective action can be made.

Identified discrepancies are being documented on NCRs and will be resolved in accordance with approved site procedures.

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 is evaluated. It is anticipated that approximately ninety (90) days will be necessary to complete our investigation and to file a final report on the matter.