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ILLINOIS POWER COMPANY



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

July 26, 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 55-84-15:
Skewed Auxiliary Steel Connections

Dear Mr. Keppler:

On June 29, 1984, Illinois Power Company notified Mr. F. Jablonski, NRC Region III, (Ref: IP Memorandum Y-20708 dated June 29, 1984) of a potentially reportable deficiency concerning the fabrication and installation of skewed auxiliary steel connections without the required approved design details. Our investigation of this issue is continuing, and this letter is submitted as an interim report in accordance with the requirements of 10CFR50.55(e) (3).

Statement of Potentially Reportable Deficiency/Background

The Clinton Power Station (CPS) Constructor generated 13 Field Change Requests (FCRs) which indicate that 37 cable tray support and 22 conduit support hangers were installed in Seismic Category I areas utilizing skewed auxiliary steel connections. These skewed auxiliary steel connections were fabricated and installed without approved design details. The Constructor used a standard 90°, double angle connection detail from Sargent & Lundy (S&L) drawing E05-1912 as a guide in bending the clip angles to the angle required to suit the configuration of the auxiliary steel in the field. The final as-built skewed connection, neither conforms to approved design details, nor to standard suggested skewed connection details of the AISC Manual.

Investigation Results/Corrective Action

Illinois Power has prepared and is implementing an investigation plan to determine the extent of this problem at CPS. The investigation plan includes:

1. A review will be performed to identify all conduit and cable tray supports, utilizing skewed auxiliary steel connections that were installed without approved design details.

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2. Nonconformance Reports (NCRs) will be generated to document those nonconforming or indeterminate connections identified by item #1. These NCRs will be resolved in accordance with approved site procedures.
3. S&L will analyze and evaluate each as-built connection, identified in item #1, for adequacy to carry design loads.
4. Baldwin Associates Quality Assurance Group will evaluate this potential problem with respect to similar skewed connections which may have been installed by other disciplines.

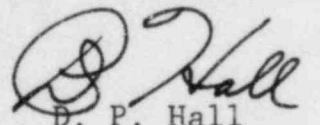
Corrective action taken on this issue to date includes the issuing of Field Engineering Change Notice (FECN) No. 4986 covering generic skewed connection details that will be utilized for all future installations of cable tray supports. S&L is also preparing another generic FECN covering skewed connection details for future installation of conduit supports.

Safety Implications/Significance

Illinois Power Company's investigation of this potentially reportable deficiency is continuing. The safety implications and significance of the issue 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.

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 the problem.

Sincerely yours,


D. P. Hall
Vice President

RLC/cah

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