

ILLINOIS POWER COMPANY



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

August 30, 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 55-84-18:
ASTM A-36 Plate Material

Dear Mr. Keppler:

On August 3, 1984, Illinois Power Company notified Mr. Jablonski, NRC Region III, (Ref: IP memorandum Y-20732, dated August 3, 1984) of a potentially reportable deficiency concerning A-36 plate material. 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)(3).

Statement of Potentially Reportable Deficiency/Background

Illinois Power has identified certain 15" x 15" x 1/2" A-36 steel plates (Heat No. 8117721, Receipt Inspection Report (RIR) No. S-12949), whose quality is currently indeterminate. The quality of the A-36 plate material became suspect during mechanical cutting operations by craft personnel. Although the plates were procured safety-related to the requirements of ASTM A-36, retesting has shown the physical properties (yield and tensile strength) are less than that required by the ASTM A-36 material specification. The Certified Material Test Report (CMTR) from Phoenix Steel Corporation (Claymont, Delaware 19703) which accompanied this material shows that it meets the requirements of ASTM A-36.

Investigation Results/Corrective Action

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

1. A review will be performed of the material specification/testing requirements for the suspect A-36 material and other materials received from the same supplier,

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2. A review will be performed to identify all installations which have utilized the suspect A-36 material,
3. A review will be performed to identify all remaining stock of the suspect A-36 material,
4. Further testing will be performed, if appropriate, in order to assess the acceptability of the suspect material, and
5. The data compiled above will be reviewed and evaluated to determine the significance to the safety of operations of CPS.

All installations identified to have utilized the suspect material will be documented on Nonconformance Reports (NCRs) and resolved in accordance with approved site procedures.

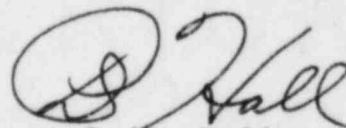
All identified remaining stock of the suspect material has been placed on hold pending resolution of this concern.

Safety Implication/Significance

Illinois Power Company'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 four (4) months will be required to complete our investigation, determine reportability, and to file a final report on the matter. Illinois Power intends to provide you an update on the investigation progress in approximately ninety (90) days.

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 issue.

Sincerely yours,



D. P. Hall
Vice President

RLC/lag

cc: NRC Resident Office, V-690
Director - Office of I&E, US NRC, Washington, DC 20555
Illinois Department of Nuclear Safety
INPO Records Center