

ILLINOIS POWER COMPANY



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1605-L

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

July 23, 1982

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

50-461

Dear Mr. Keppler:

Clinton Power Station Unit I  
Potential Reportable Deficiency 82-06  
10 CFR50.55(e)

On June 25, 1982, Illinois Power verbally notified Mr. J.M. Hinds, NRC Region III, of a potentially reportable deficiency involving quality control inspection records for the containment building structural steel, in that the documentation and records may not provide assurance that the structural steel meets design and construction requirements. Illinois Power continued it's investigation into this matter, and this letter serves as an interim report per 10CFR50.55(e)(3).

Background

Due to reported quality problems pertaining to structural steel at other nuclear power plants, a Quality Assurance surveillance of structural steel erection and inspection activities at CPS in the containment building was performed by IP Quality Assurance personnel in order to determine if the structural steel work at Clinton meets regulatory requirements. The surveillance was conducted during the period April 27 - May 10, 1982 and resulted in eight (8) quality assurance surveillance findings. As a result of the surveillance report and findings, Illinois Power issued a Management Corrective Action (MCAR) No. 02, which was transmitted to Baldwin Associates (IP Contractor) requesting immediate corrective action to the quality concerns identified in the surveillance report. This surveillance report also resulted in a 10CFR50.55(e) potential deficiency (82-04) pertaining to installation of jam-nuts on bolted slip-type structural steel connections, reported to the NRC (Region III) on May 7, 1982. The issuance of MCAR-02 culminated in STOP WORK Action #019, issued by Baldwin Associates on June 23, 1982, stopping all structural steel activities in the Containment.

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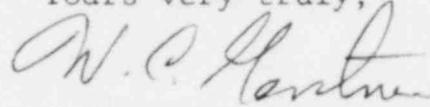
Investigation Results (Interim)

In order to fully investigate and resolve this matter, an Illinois Power Quality Recovery Plan for STOP WORK #019 is being developed. This Plan includes the analysis and investigation of each surveillance finding, both individually and as a group, to determine if adverse trends caused by shortcomings in the quality program exist, to determine root cause, to determine generic applicability of the concerns to plant structural steel, and to determine if a condition(s) exists which could adversely affect the safety of operations of the plant.

Investigation of each of the surveillance findings is presently in progress, but has not advanced sufficiently to fully evaluate root cause and to accept proposed corrective actions. Thus far, there are no additional hardware problems beyond the jam-nut potential deficiency (82-04) previously reported to the NRC (Region III). However, this will result in partial reinspection of structural steel both inside the containment and in other locations where jam nuts were used. Additionally, complete reinspection will be necessary for a small portion of the structural steel inside the containment for which inspection documentation was inadvertently destroyed.

It is anticipated that we will require approximately sixty (60) days to complete our investigation of this potential deficiency. At such time we hope to be able to provide further details and conclusions regarding the reportability of this potential deficiency.

Yours very truly,



W.C. Gerstner  
Executive Vice President

cc: H.H. Livermore, NRC Resident Inspector  
Director, Office of I&E, Washington, DC  
Director-Quality Assurance  
Illinois Department of Nuclear Safety