



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

NOV 06 1984

Docket No. 50-461/84-39

Illinois Power Company  
ATTN: Mr. D. P. Hall  
Vice President  
Clinton Power Station  
P. O. Box 678  
Clinton, IL 61727

Gentlemen:

Subject: Clinton Independent Design Review (IDR) Implementation Inspection  
Report 50-461/84-39

This letter conveys the results and conclusions of the program plan implementation inspection of the Bechtel Power Corporation's independent design review of the Clinton Power Station. The inspection was conducted by the NRC's Office of Inspection and Enforcement. The team was composed of personnel from the NRC's Office of Inspection and Enforcement and consultants. The inspection took place at the Clinton Power Station, Clinton, Illinois, and Bechtel Power Corporation, San Francisco, California. The inspection took place over the period from October 17, 1984, to October 19, 1984.

The NRC's inspection was conducted in two phases, a site tour and an inspection of IDR progress at Bechtel's office. The site tour was conducted as an orientation for the NRC's inspection team of the systems being reviewed by the IDR. The site tour was also used to obtain information relative to the walkdown activities by the IDR team and to obtain technical input for the subsequent visit to the Bechtel office. During the visit to Bechtel's office, the NRC team inspected IDR activities in the five major disciplines (mechanical systems, mechanical components, electrical, instrumentation and control, and civil-structural) and also inspected horizontal review activities and quality assurance procedures in effect for the IDR. In each of these areas, the NRC inspectors concentrated on the implementation of the Bechtel Clinton IDR Program Plan as approved by NRC letter to you dated September 10, 1984.

While the NRC inspection team concluded that the IDR program plan was being adequately implemented, items were identified by the NRC inspection team as areas for IDR improvement. These items are identified in the report and are classified as either programmatic or technical. Programmatic comments refer to improvements in project procedures to ensure and document the objectivity of the IDR team's effort. Technical comments address areas for further technical

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review, which in the judgment of the NRC team, should be investigated as part of the IDR. Comments classified as programmatic should be addressed as soon as possible. Comments classified as technical need not be separately addressed, as long as the items are discussed in the final IDR report.

You are requested to present your plans for resolution of the items identified in the enclosed inspection report at the next Clinton IDR progress report meeting scheduled for November 13, 1984. A follow-up written response to the inspection report should be submitted no later than two weeks after the November 13, 1984, progress report meeting.

Sincerely,

ORIGINAL SIGNED BY:

J. NELSON GRACE

J. Nelson Grace, Director  
Division of Quality Assurance, Safeguards,  
and Inspection Programs  
Office of Inspection and Enforcement

Enclosure:  
Implementation Inspection Report

cc: See next page

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J. Nelson Grace, Director  
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\* Concurrence  
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