February 15, 2001

Mr. Mike Reandeau
Director - Licensing
Clinton Power Station
P.O. Box 678
Mail Code V920
Clinton, IL 61727

SUBJECT: CLINTON POWER STATION, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION (TAC NO. MB0861)

Dear Mr. Reandeau:

By letter dated December 29, 2000, you submitted a license amendment request to extend the Technical Specification allowed outage time from 72 hours to 14 days for the Division 1 and 2 emergency diesel generators. The Nuclear Regulatory Commission (NRC) staff has performed an initial review of your request and finds that it needs additional information to complete its review.

Therefore, I request that you respond to the enclosed request for additional information by February 20, 2001, in order for the staff to complete its review in a timely manner. The questions were discussed and the response date agreed upon with a member of your staff. The questions are unchanged from those sent by facsimile to a member of your staff on January 31, 2001.

Sincerely,

/RA/

Jon B. Hopkins, Senior Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure: As stated

cc w/encl: See next page

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Mike Reandeau

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REQUEST FOR ADDITIONAL INFORMATION
CLINTON POWER STATION

Quality of PRA

1. The submittal indicated that Clinton participated in the Boiling Water Reactor Owners Group (BWROG) probabilistic risk assessment (PRA) Peer Review Certification program. A PRA Certification Team completed an inspection and review of the Clinton PRA. The team found that the Clinton PRA was fully capable of addressing issues associated with the proposed emergency diesel generator (EDG) allowed outage time (AOT) extension with a few enhancements.

   a. Did the peer review group specifically address application of the PRA to the EDG AOT extension changes, or was it a general assessment for application to AOT changes?

   b. A peer review is one element in a PRA's quality program. Explain what other elements are used to assure quality of the Clinton PRA?

   c. What were the few enhancements identified, and how were they addressed in the analysis performed to support the proposed changes?

   d. Were the enhancements peer reviewed, and if so, by whom?

   e. Who participated in the Clinton PRA peer review, and what were their qualifications?

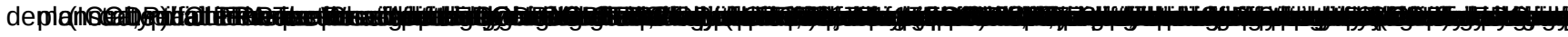
2. The staff safety evaluation report (SER) for the Clinton individual plant examination (IPE) found a few weaknesses for applications other than addressing the intent of generic letter (GL) 88-20. They included the use of generic sources for most test and maintenance unavailability and component reliability data, the credit taken for equipment repairs or restorations, and the issues of hydrogen combustion and ex-vessel steam explosion for the back-end analysis. Explain how these potential weaknesses were addressed in your subsequent PRA updates.

3. The submittal indicated that the current PRA has been updated three times since the development of the IPE. How does Clinton assure that the current PRA used for this application represents the as-built and as-operated plant? Have all significant plant operational changes, both hardware and procedural, been appropriately incorporated into the current PRA? List significant plant operational changes and how such changes were incorporated during the updates.

4. Your submittal indicated that you had updated the Clinton PRA to include plant and procedure changes. Please discuss the process for assuring important changes are included in PRA updates in a timely manner.

Enclosure

12. 11. 10. 9. 8. 7. **Risk impact due to internal initiating events** 6 5 **Risk impact due to exte**



13. **Tier 2**