

November 20, 1996

Mr. Paul J. Telthorst
Director - Licensing
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P. O. Box 678
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Clinton, IL 61727

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SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON DEGRADED VOLTAGE SETPOINT
CHANGE AND OTHER RELATED TECHNICAL SPECIFICATION CHANGES - CLINTON
POWER STATION (TAC No. M94886)

Dear Mr. Telthorst:

By letter dated February 22, 1996 (U-602554), Illinois Power Company proposed an amendment to the Clinton Power Station Technical Specifications to revise the setpoint of the degraded voltage protection, and modify or delete other Loss of Power Instrumentation Technical Specifications. Followup letters on this subject were also submitted on July 24, October 4, and November 19, 1996.

In order to facilitate the staff's review of your submittal, the attached information is requested. These questions were previously provided to you and have been discussed with the staff. If you have any questions, please contact me at (301) 415-1364.

Sincerely,

Original signed by:

Douglas V. Pickett, Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure: As stated

cc w/encl: See next page

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NAME	DFoster-Curseen	DPickett	JCalvo
DATE	11/20/96	11/20/96	11/20/96

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Mr. Paul J. Telthorst
Illinois Power Company

Clinton Power Station
Unit No. 1

cc:

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Chicago, Illinois 60603

REQUEST FOR ADDITIONAL INFORMATION
RELATED TO THE
CLINTON POWER STATION, UNIT NO. 1
DEGRADED VOLTAGE SETPOINT CHANGE
DOCKET NO. 50-461

1. In Attachment 7 to Illinois Power Company (IP) letter dated October 4, 1996, a Sargent and Lundy letter is furnished that provides information on a comparison of some analytical models to data provided by IP. Are these the same analytical models used in the recent revision of Clinton Power Station calculation 19-AQ-02? The staff notes that the Sargent and Lundy letter is dated June 23, 1986; whereas, Clinton LER 94-005-00 indicates that IP developed a new LOCA block-start voltage model and transient calculation in 1991. Please clarify.
2. Discuss the validation of the model(s) used in the most recent analysis of equipment operation and electrical system voltages for the LOCA block start scenario on the offsite power system. The discussion should demonstrate that the model provides a true and accurate representation of the system and equipment performance during the scenario, including but not necessarily limited to:
 - Multiple simultaneous and/or sequential motor starts of various size motors with differing acceleration rates, electrical characteristics, and mechanical characteristics at all system voltage levels.
 - Motors that are in a stalled condition for some period of time during scenario analyzed.
 - Low voltage conditions seen during the scenario analyzed.

Enclosure