ILLINOIS POWER COMPANY



CLINTON POWER STATION, R.R. #3, BOX 228, CLINTON, IL 61727

February 26, 1982



C. E. Norelius, Director Division of Engineering and Technical Inspection US Nuclear Regulatory Commission Washington, DC 20555

Dear Mr. Norelius:

Subject: Open Item 461/81-30-02

Attached is our answer to the subject open item from your letter of January 15, 1982. Mr. Mark Ring from Region 3 and Mr. Don Fisher from Washington, DC were the NRC people involved in discussions associated with this item. We hope this satisfies the open item.

I am also sending a copy of this letter and attachments to Walter Apley of Battell, Pacific Northwest Labs as suggested by Mr. Don Fisher.

Please call Dave Vincent at 217-937-1111, ext. 2443 if you have specific questions on our reply.

Sincerely,

T. F. Plunkett, Manager Clinton Power Station

TFP/DRV:awd

Attachments as stated

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PDR ADOCK 05000461

- cc: H. Livermore
  - G. Wuller
  - J. Greene
  - D. Vincent

PDR

W. Apley

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## Open Item 461/81-30-02

There are three occurrences in our preoperational test program where a portion of a test can not be completed until after fuel load. In all three occurrences the portion of the test affected relates to a necessity to observe system operation under conditions where significant heat loads are applied. Those heat loads will not be available until after fuel load. In all cases, the specific exceptions described do not exclude those systems from undergoing all other testing. Prior to fuel load, all systems will undergo checkout and initial operation phase testing as described in 14.2.1.2. Also prior to fuel load, all systems will undergo preoperational phase testing as described in 14.2.1.3 with the specified exceptions. On those systems where exceptions are taken:

- a) All controls, interlocks, and alarms will be tested.
- b) System flows will be verified to be in accordance with design.
- c) Valves will be operated, timed, and interlocks checked.
- d) Where applicable, the available heat loads on heat removal systems will be measured and then extrapolations made to verify the system will operate in accordance with the design.

The three occurrences of preoperational testing to be completed after fuel load are as follows:

1. Item 14.2.12.1.25 - Component Cooling Water System Acceptance Criteria number 3

The testing conducted to satisfy this item will include verification of adequate design relating to heat removal. The system will be operated with actual heat loads applied. Measurements will be made to verify that heat load and extrapolated maximum heat loads are within the design limits.

2. Item 14.2.12.1.28 - Essential Switchgear Heat Removal System Acceptance Criteria number 3

The heat loads necessary to verify that area temperatures are in accordance with the design will not be available until after fuel load.

3. Item 14.2.12.1.30 - ECCS Equipment Cooling HVAC System Acceptance Criteria number 2

The heat loads necessary to verify that area temperatures are in accordance with the design will not be available until after fuel load.