

ILLINOIS POWER COMPANY



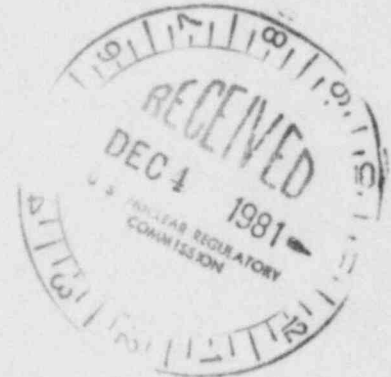
U-0353

L30-81 (11-30)-6

500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525

November 30, 1981

Mr. James R. Miller, Chief
Standardization & Special Projects Branch
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Dear Mr. Miller:

Clinton Power Station Unit 1
Docket No. 50-461

Enclosed are four responses to verbal requests by the SEB and HGEB reviewers.

Sincerely,

A handwritten signature in cursive script, appearing to read "J.D. Geier".

J.D. Geier
Manager, Nuclear Station Engineering

Attachments

cc: J.H. Williams, NRC Clinton Project Manager
H.H. Livermore, NRC Resident Inspector
B. Jagannath, NRC - HGEB
N. Chokski, NRC - SEB
R. Wescott, NRC - HGEB

Boad
5.11

Add: HGEB Branch
SEB Branch

Response to verbal question/request by B. Jagganath of NRC-HGEB:
A technical specification will be provided for an inspection program that will include the following provisions:

- 1) The entire UHS shoreline will be inspected for erosion annually, after major floods, after extreme droughts, and major earthquakes. This inspection program will consist of a thorough physical examination after spring run-off, floods, droughts and major earthquakes for erosion detrimental to the function of the Ultimate Heat Sink. The technical specification will define the flood, drought and earthquake levels that will initiate the inspection program and will provide details of the inspection program.
- 2) Conditions encountered during each inspection will be compared with as-built conditions and previous inspection reports to determine the extent of changes will be used to evaluate the adequacy of slope protection against waves, surface runoff and currents.
- 3) If any features detected in these annual inspections have degraded to the point where they will not provide adequate UHS protection, the plant will go into a safe shutdown condition and remain shutdown until necessary repairs have been completed. The technical specification will define degradation levels that require plant shutdown.
- 4) The inspection program will be developed using the guidance provided in Regulatory Guide 1.127, Inspection of Water-Control Structures Associated with Nuclear Power Plants.

The FSAR will be amended to discuss the provisions of this inspection program.

A technical specification will be provided to establish a sediment monitoring and dredging program to assure that:

- 1) During normal operation, there will be a volume of water in the UHS below elevation 675 sufficient to a) receive the sediment load from a once in 25 year flood event and b) still be adequate to maintain the plant in a safe shutdown condition for 30 days under adverse meteorological conditions as defined in the Reg. Guide 1.27.
- 2) If the volume of water below elevation 675 in the UHS is less than that specified in 1) above, the plant will go into a safe shutdown condition and remain shut down until adequate volume in the UHS is restored.

The FSAR will be amended to discuss the provisions of this technical specification.

The FSAR will be amended to include the following provisions regarding the open excavation adjacent to Unit 1:

- 1) Backfill behind the walls of Unit 1 in the vicinity of the open excavation will be protected against erosion by the installation of a revetment composed of a grout intrusion blanket similar to "Fabriform."
- 2) Except for the ramp, a perimeter berm of sufficient height to divert flood water will be installed around the open excavation of Unit 2.
- 3) A suitable drainage system with sufficient capacity to handle local intense rainfalls up to and including the PMP without excessive ponding or blockage due to debris or ice will be designed and installed.
- 4) All openings in the Unit 1 building below grade level that lead into Unit 2 excavation will be closed and water proofed.

Response to question /request by N. Chokski, SEB Reviewer:

Table 3.8.1.1 of the Clinton project FSAR will be amended to include a Note f which will read as follows:

- f) The $33\frac{1}{3}\%$ increase in stresses allowed by the ASME B & PV Code Section III, Division 2, CC-342 (ACI-ASME 359, 1973) for members subject to wind or earthquake shall not be considered.

Response to question/request by N. Chokski, SEB reviewer:

Openings in the Unit 1 - Unit 2 interface walls of Category I buildings will be closed with missile resistant concrete barriers. These barriers have been designed to resist tornado missiles identified in the FSAR.