Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

April 26, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Braidwood Station Units 1 and 2
Circulating Water Pump Trip
NRC Docket Nos. 50-456/457

Dear Mr. Denton:

On December 27, 1983 and January 9, 1984, the Commonwealth Edison Company held teleconferences with Ms. Janice A. Stevens and other NRR staff members to discuss our circulating water pump trip set point in relation to our thirty day Ultimate Heat Sink (UHS) water supply given a dike failure at Braidwood Station. The purpose of this letter is to document our intentions in this matter.

At Braidwood Station the normal cooling lake water level is at elevation 595'. There exists a lake level indicator OLI-CW041 within the main control room along with its associated low lake level alarm OLSL-CW041 with set point at 594'. Additionally, there exists circulating water pump discharge pressure indication in the control room indicative of satisfactory pump operating conditions.

The circulating water pumps are not designed to operate below the 590' elevation, which is the top of the thirty day emergency water supply of the UHS. In the unlikely event of a dike failure, the pumps will be manually tripped before the lake water level reaches the 590' elevation to avoid damage to the pumps. The operator actions necessary to accomplish this utilizing the above instrumentation will be defined in applicable Braidwood Station emergency operating procedures when written.

Please address any questions concerning this matter to this office.

One (1) signed original and fifteen (15) copies of this letter are provided for your use.

Very truly yours,

E. Douglas Swartz
Nuclear Licensing Administrator

cc: RIII Inspector - Braidwood

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ELEVATION	
595'	normal lake water level
594'	low lake water level alarm
592'	low lake water level
590'	minimum CW pump submergence lake level (2 feet above discharge pipe centerline @588' per the pump curve)
590'	top of UHS
584'	bottom of UHS

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