

# Illinois Power Company

U-0614  
L30-83(03-15)L

500 SOUTH 27TH STREET, P. O. BOX 511, DECATUR, ILLINOIS 62525-1805

Docket No. 50-461

March 15, 1983

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
                  Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: Clinton Power Station Unit 1  
SER Confirmatory Issue #6

Reference: 1) NUREG-0853, Supplement No. 1, "Safety Evaluation Report," dated July, 1982.  
2) IP letter 3/11/82, U-0435, G. E. Wuller to J. R. Miller, NRC relating to containment ultimate capacity.

This letter is in response to NRC staff review of the CPS ultimate containment pressure retaining capability as found in section 3.8.1 of the above reference (1). In that review, the staff applied a safety factor of 1.2 to the analysis reducing the ultimate pressure retaining capability from 76 psig to 63 psig. Illinois Power Company (IP) agrees to using the 1.2 safety factor to expedite closure of this issue.

Section 3.8.1 of the above reference furthermore requires IP to confirm test information to verify the ultimate pressure retaining capability of the air lock seals. We obtained the attached information from the air lock vendor. This same information was provided in the reference (2) letter.

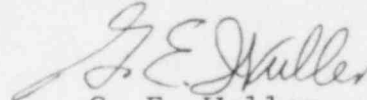
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We feel this information is sufficient to close SER  
Confirmatory Issue #6. Please advise if we can provide any  
further information in this matter.

Sincerely,



G. E. Wuller  
Supervisor-Licensing  
Nuclear Station Engineering

GEW/jmm  
attachment

cc: H. Abelson, NRC Clinton Project Manager  
N. Chokshi, NRC SEB  
H. H. Livermore, NRC Resident Inspector  
Illinois Department of Nuclear Safety

Attachment to U-0614  
March 15, 1983

NRC Informal Question:

On the basis of the pressure resisting capacity of the seals, around personnel lock equipment hatch and other access penetration indicate what the containment ultimate capacity will be.

CPS Response:

The airlock doors and equipment doors are pressure seated. They are the same basic design and similar materials that have been used on pressurized water reactor plants which would employ a higher design pressure for the containment vessel. CB&I has successfully used this type closure on the SNUPPS Containment which was designed for a pressure of 60 psig and tested at 69 psig with no apparent leakage. We would expect that the amount of leakage through these seals at 76 psig containment pressure would be generally within the leakage rate for the design pressure (15 psig).

The seal material should not degrade for temperatures up to 300°F.