

50-461

# Illinois Power Company

U-0629  
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500 SOUTH 27TH STREET, P. O. BOX 511, DECATUR, ILLINOIS 62525-1805

Docket No. 50-461

April 4, 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 #58

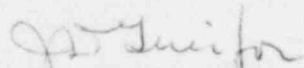
Reference: 1) NUREG-0853, Supplement No. 1, "Safety Evaluation  
Report", dated July, 1982  
2) Meeting between IP and NRC on February 16-17, 1983;  
"Status of CPS SER Outstanding and Confirmatory Issues"

Pursuant to the requirements of Reference 1) and the request of Mr. John Stang during our meeting (Reference 2), a fire barrier information matrix was developed and attached for NRC review.

The matrix is complete with the exception of two outstanding fire tests which are expected to be done in mid-1983. The test reports for oversized fire doors and HVAC duct wrap are anticipated by 9/1/83.

We trust that the matrix is satisfactory and we plan to supply reports in September to close this issue.

Sincerely,



G. E. Waller  
Supervisor - Licensing  
Nuclear Station Engineering

OV/lc

cc: Dr. H. Abelson, NRC Clinton Project Manager  
Mr. J. E. Stang, Jr., NRC CEB  
Mr. H. H. Livermore, NRC Resident Inspector  
Illinois Department of Nuclear Safety

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- 3-hr Fire Resistance Barriers -

Item	Construction	Applicable Code, Standard	Standard Minimum Requirements	Design Minimum Requirements
Walls -	Concrete	UBC VIII, 43	5 1/2" thickness	5 3/4" thickness
-	Hollow Concrete Block 7 5/8" by 11 5/8"	UBC VIII, 43; ASTM-C90	*	*
Floors	Concrete	UBC VIII, 43	5 1/2" thickness	5 3/4" thickness
Ceilings	Concrete	UBC VIII, 43	5 1/2" thickness	5 3/4" thickness
°Doors	Hollow Metal	NFPA-80; UL req's	As indicated in NFPA-80	As indicated in NFPA-80
°Frames	Metal	NFPA-80; UL req's	As indicated in NFPA-80	As indicated in NFPA-80
HVAC Duct Wrap	TSI Insulation Product	**		

\* The National Concrete Masonry Association provides technical data which states that a 7 5/8" by 11 5/8" hollow concrete block will give an estimated 3-hr fire-resistance rating.

\*\* A fire test will be conducted this year by Portland Cement Association to determine the insulation wrap fire resistance capabilities. Results of test are expected by 9/1/83.

° Some doors do not bear a UL fire rating label due to dimensional requirements. A fire test will be conducted this year to qualify these doors/frames to bear the UL Label "A". Report of test results is expected by 9/1/83.

Note: As a result of the seismic requirements being more stringent than fire protection requirements for walls, floors, and ceilings, the smaller thickness in these is found to be 12 inches with the exception for walls constructed with 7 5/8" by 11 5/8" hollow concrete blocks.