

DISTRIBUTION

Docket  
 AEC PDR  
 Local PDR  
 PWR-4 Rdg  
 RP Rdg  
 L Rdg  
 RCDeYoung  
 JHendrie  
 AKenneke  
 RWKlecker  
 OGC  
 RO (4)  
 RMBernero  
 EIGoulbourne  
 DRoss  
 ASchwencer  
 ACRS (16)

SEP 13 1973

Docket No. 50-313

Arkansas Power & Light Company  
 ATTN: Mr. J. D. Phillips  
 Vice President &  
 Chief Engineer  
 Sixth & Pine Streets  
 Pine Bluff, Arkansas 71601

Gentlemen:

On August 30, 1973, we met with your representative and Babcock & Wilcox staff members to discuss your proposed special loading procedures for those portions of your initial fuel load for Arkansas Nuclear One, Unit 1 which contain resintered pellets. At that meeting, we indicated the conceptual acceptability of your proposal but stated that we would need additional information to conclude our evaluation of this matter. The additional information we require is listed in the enclosure to this letter. In order to conclude our review in an orderly fashion with consideration of the schedules of our other work and your proposed fuel load schedule, we require your response to these requests by October 23, 1973.

Sincerely,

Original Signed by  
 Albert Schwencer

A. Schwencer, Chief  
 Pressurized Water Reactors  
 Branch No. 4  
 Directorate of Licensing

Enclosure:  
 Request for Additional Information

cc: Horace Jewell  
 House, Holms & Jewell  
 1550 Tower Building  
 Little Rock, Arkansas 72201

Mr. William Cavanaugh, III  
 Production Department  
 P. O. Box 551  
 Little Rock, Arkansas 72203

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OFFICE ▶	PWR-4	L:C/CPBr	L:C/PWR-4		
SURNAME ▶	RMBernero:KME	DRoss	ASchwencer	8004220	837
DATE ▶	9/12 173	9/1 173	9/12 173		

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REQUEST FOR ADDITIONAL INFORMATION

1. Describe the dimensional changes produced in the fuel pellets which were resintered including:
  - (a) Describe the sampling method,
  - (b) describe the method of data reduction including statistical analysis techniques.
  - (c) provide the dimensional data for the resintered pellets.
2. Provide the method and bases of your classification of pellets, rods and fuel assemblies with respect to limiting heat generation rate. Include consideration of fuel melting and LOCA limit at the minimum.
3. Provide the power distribution data illustrating the loadings which can accommodate lower rated fuel assemblies for three fuel cycles. Discuss the effects of reduced burn-up on fuel assemblies which are successively loaded into lower flux regions of the core.
4. Describe what measures have been taken and will be taken to assure correct loading of these fuel pellets, rods and assemblies.