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October 5, 1979

1-109-5  
2-109-4

Mr. K. v. Seyfrit, Director  
Office of Inspection & Enforcement  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

Subject: Arkansas Nuclear One-Units 1 & 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6  
IE Bulletin No. 79-23  
(File: 1510 and 2-1510)

Gentlemen:

The following is provided in response to IE Bulletin 79-23.

Item No. 1

Determine whether or not connections have been made between low KVA rated transformers and high KVA rated EDGs without adequate limitations on the flow of circulating currents. If applicable, provide a description of the corrective action being taken to address this problem.

Response to Item 1

Connections have not been made between low KVA rated transformers and high KVA rated EDGs without adequate limitations on the flow of circulating currents. The action taken in making this determination consisted of drawing review and physical examination of Unit 1 and 2 installation.

Item No. 2

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Provide a schedule for the completion of a sustained full-load operation test of the EDGs for a duration of not less than 24 hours, or provide the results of the similar long duration, full-load test which has already been completed on the EDGs installed at your facility. The test should demonstrate full-load carrying capability for an interval of not less than 24 hours, of which 22 hours should be at a load equivalent to the continuous rating of the diesel generator and 2 hours at a load equivalent to the 2 hour rating of the diesel generator. The test should also verify that voltage and frequency requirements are maintained and that the cooling system functions within design limits.

Response to Item 2

Full-load tests have previously been completed on Unit 2 EDGs. This test demonstrated full-load carrying capability for a continuous interval of 24 hours, of which 22 hours was at the continuous rating of the diesel generator and 2 hours at the 2 hour rating of the diesel generator.

Full-load tests have previously been completed on Unit 1 EDGs. This test demonstrated full-load carrying capability for a continuous interval of 84 hours at the continuous rating of the diesel generator. An additional test demonstrating full-load carrying capability for a continuous interval of 8 hours, of which 6 hours was at the continuous rating of the diesel generator and 2 hours at the 2 hour rating of the diesel generator. Since a design error does not exist based on the review conducted per Item 1, an additional 24 hour full-load test will not be conducted since the above testing was satisfactorily completed.

The results of the full-load test on Unit 1 and 2 are available at the plant site for review.

Very truly yours,

*David C. Trimble*

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DCT:DEJ:nak

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