



**Duquesne Light**

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May 17, 1979

United States Nuclear Regulatory Commission  
Attention: Boyce H. Grier, Director  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Reference: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334  
License No. DPR-66  
Response To IE Bulletin 79-09

Gentlemen:

NRC IE Bulletin 79-09, which reports failures of GE Type AK-2 Circuit Breakers installed in safety-related systems, has been reviewed.

Our investigation has determined that GE Type AK-2 Circuit Breakers are used in the 125 Volt DC Control System. The breakers are type AK-2A-25 and AK-2A-50 which are used as the 125 VDC battery breakers. There is a total of seven type AK-2 breakers, six of which are considered safety-related. The breakers are rated at 250 VDC, 600 Amperes. However, our review has determined that the breakers do not have the undervoltage trip device discussed in the Bulletin. As noted in the GE Service Advice Letter No. 175 (CPDD) 9.3, the undervoltage trip device is an optional accessory. The installed AK-2 breakers use GE shunt trip and series overcurrent tripping devices for tripping the breaker.

As required by NRC IE Bulletin No. 79-09, a preventive maintenance program for the AK-2 breakers will be implemented. The program will develop a preventive maintenance procedure and schedule for maintenance of the breakers. The procedure will reference the GE power circuit breaker instruction manual and will include steps from the GE Service Advice Letter No. 175 (CPDD) 9.3. However, a majority of the steps listed in the GE letter are not applicable since the station breakers do not have the undervoltage trip device. The procedures will be performed by qualified personnel. The schedule for procedure performance will be consistent with the recommendations of the GE circuit breaker manual and maintenance on similar type breakers. However, the preventive maintenance frequency will be increased until proper operation of the tripping mechanisms can be verified.

The preventive maintenance program should be developed and implemented by September 30, 1979.

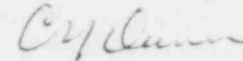
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If you have any questions regarding this response, please contact my office.

Very truly yours,



C. N. Dunn  
Vice President, Operations

cc: United States Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Division of Reactor Operations Inspection  
Washington, D. C. 20555

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