

Omaha Public Power District

1623 HARNEY ■ OMAHA, NEBRASKA 68102 ■ TELEPHONE 536-4000 AREA CODE 402

May 18, 1979

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

Reference: Docket No. 50-285

Dear Mr. Seyfrit:

The Omaha Public Power District received IE Bulletin 79-09, dated April 17, 1979, requesting certain information in regard to the use of GE Type AK-2 circuit breakers in safety-related systems at the Fort Calhoun Station. Accordingly, the requested information is attached.

Sincerely,



T. E. Short
Assistant General Manager

TES/KJM/BJH:jmm

Attach.

cc: NRC Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555

LeBoeuf, Lamb, Leiby & MacRae
1757 "N" Street, N. W.
Washington, D. C. 20036

7907060268

299 114

Q

Question 1

Determine whether or not GE Type AK-2 circuit breakers are used or planned for use in safety-related systems at your facility.

Response 1

AK-2 circuit breakers are used at the Fort Calhoun Station.

Questions 2 and 3

If such circuit breakers are used or planned for use, identify the safety system involved and provide in written form your plans for developing a preventive maintenance program which will assure design performance with the GE Type AK-2 circuit breaker.

The program shall include as a minimum but not be limited to the following:

- a. Establish and adhere to a preventive maintenance schedule regarding the subject circuit breakers.
- b. Have the maintenance performed by qualified personnel. The GE power circuit breaker instruction manual should be used as guidance in setting up the maintenance procedures.
- c. During the preventive maintenance, perform the recommended corrective actions described in the enclosed GE Service Advice Letter No. 175(CPDD)9.3, dated April 2, 1979. A copy of this letter is enclosed for your information and appropriate use.

Responses 2 and 3

These circuit breakers are used in the entire 480 volt plant distribution system. This distribution system encompasses all station emergency safeguards systems.

A computerized preventive maintenance program, which assures design performance of the GE Type AK-2 circuit breaker, has been established. This system requires preventive maintenance of the breaker and a calibration trip check on an every-other-refueling basis, with the high operating frequency breakers checked every year. The maintenance schedule includes the following elements:

- a. The schedule is adhered to and performed by qualified personnel.
- b. The GE power circuit breaker instruction manual is used as guidance in setting up the maintenance procedures.

292 115

Corrective actions described in the GE Service Advice Letter No. 175(CPDD)9.3, dated April 2, 1979, will not be performed since they are not applicable to the Fort Calhoun Station. This is because the Fort Calhoun Station 480 switch gear does not use the undervoltage trip device addressed in the advice letter. A much simpler shunt trip device is used. This shunt trip device receives its trip signal from an IAV voltage relay, load shed, interlock, or manual switch. It then, in turn, actuates the breaker mechanical trip mechanism which opens the breaker.