



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

August 27, 1980

Docket No. 50-412

Duquesne Light Company
ATTN: Mr. E. J. Woolever
Vice President
435 Sixth Avenue
Pittsburgh, Pennsylvania 15219

Gentlemen:

The enclosed IE Information Notice No. 80-31, "Maloperation of Gould-Brown Boveri Type 480 Volt Type K-600S and K-DON 600S Circuit Breakers," is forwarded to you for information. No written response is required. If you desire additional information regarding this matter, please contact this office.

Sincerely,

Boyce H. Grier
Boyce H. Grier
Director

Enclosures:

1. IE Information Notice No. 80-31
2. List of Recently Issued IE Information Notices

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SSINS No.: 6870
Accession No.
8006190040 *dup*
IN 80-31

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

August 27 , 1980

IE Information Notice No. 80-31: MALOPERATION OF GOULD-BROWN BOVERI 480
VOLT-TYPE K-600S AND K-DON 500S CIRCUIT
BREAKERS

Description of Circumstances:

The Cincinnati Gas & Electric Company reported problems with the Gould-Brown Boveri Type K-600S and K-DON 600S circuit breakers used in 480 volt a.c. circuits at the William H. Zimmer nuclear stations. The problem involved inadvertent circuit breaker closure during operation of the breaker charging springs when the breaker was racked out to the test position.

The problem resulted from the use of undersized bushings in the circuit breaker secondary close latches. The undersized bushings caused the secondary close latch to hang-up on the shunt trip device resulting in an inadvertent circuit breaker closure when the spring charging motor was energized.

The vendor has stated that the problem does not exist during normal operations with the circuit breaker in the connected position.

Recommended Action for Licensees and Holders of Construction Permits:

All licensees of operating nuclear power reactors and holders of construction permits should be aware of the potential problems described above. The vendor has stated that a small number of circuit breakers were assembled with undersized secondary latch bushings between 1969 and 1977. It is recommended that the following actions be taken:

- (1) Determine if the subject circuit breakers are installed in any safety-related application at your facility. The affected circuit breakers are manufactured by Gould-Brown Boveri and are types K-600S and K-DON 600S, 480-volt a.c. electrically operated, drawout type with static trip device.
- (2) If it is determined that your facility has the circuit breakers described in Item (1) above, perform the K-600S, K-DON 600S Field Test Procedure attached to this information notice (Gould-Brown Boveri I.B.-9.1.7-6 Issue F, Addendum 2, dated March 4, 1980).
- (3) If maloperation of the circuit breaker field test procedure described in action described in the attached information notice requires the addition of a 0.050 shim to the secondary close

DUPLICATE DOCUMENT

Entire document previously
entered into system under:

ANO 8006190040

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