



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TIC

AUG 30 1980

State of Illinois
Department of Public Health
ATTN: Mr. Gary N. Wright, Chief
Division of Nuclear Safety
535 West Jefferson Street
Springfield, IL 62761

Gentlemen:

The enclosed IE Information Notice No. 80-31 titled "Maloperation of Gould-Brown Boveri Type 480 Volt Type K-600S and K-DON 600S Circuit Breakers" was sent to the licensees listed below on August 27, 1980:

American Electric Power Service Corporation
Indiana and Michigan Power Company
D. C. Cook 1, 2 (50-315, 50-316)

Cincinnati Gas & Electric Company
Zimmer (50-358)

Cleveland Electric Illuminating Company
Perry 1, 2 (50-440, 50-441)

Commonwealth Edison Company
Braidwood 1, 2 (50-456, 50-457)
Byron 1, 2 (50-454, 50-455)
Dresden 1, 2, 3 (50-10, 50-237, 50-249)
LaSalle 1, 2 (50-373, 50-374)
Quad-Cities 1, 2 (50-254, 50-265)
Zion 1, 2 (50-295, 50-304)

Consumers Power Company
Big Rock Point (50-155)
Midland 1, 2 (50-329, 50-330)
Palisades (50-255)

Dairyland Power Cooperative
LACBWR (50-409)

Detroit Edison Company
Fermi 2 (50-341)

Illinois Power Company
Clinton 1, 2 (50-461, 50-462)

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Iowa Electric Light & Power Company
Duane Arnold (50-331)

Northern Indiana Public Service Company
Bailly (50-367)

Northern States Power Company
Monticello (50-263)
Prairie Island 1, 2 (50-282, 50-306)

Public Service of Indiana
Marble Hill 1, 2 (50-546, 50-547)

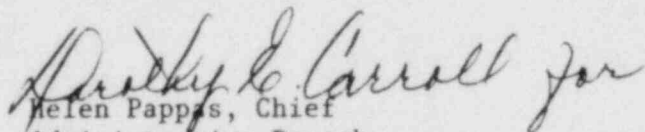
Toledo Edison Company
Davis-Besse 1 (50-346)

Union Electric Company
Callaway 1, 2 (50-483, 50-486)

Wisconsin Electric Power Company
Point Beach 1, 2 (50-266, 50-301)

Wisconsin Public Service Corporation
Kewaunee (50-305)

Sincerely,


Helen Pappas, Chief
Administrative Branch

Enclosure: IE Information
Notice No. 80-23

cc w/encl:
Mr. D. W. Kane,
Sargent & Lundy
Central Files
Reproduction Unit NRC 20b
AEOD
Resident Inspectors, RIII
Local PDR
NSIC
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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 600S 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 occurs during performance of the field test procedure described in Item (2) above, perform the corrective action described in the attached field test procedure (installation of a _____ and retest of the circuit breaker).

DUPLICATE DOCUMENT

Entire document previously
entered into system under:

ANO 8006190040

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