Omaha Public Power District

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

March 28, 1983
LIC-83-076

Mr. J. T. Collins, Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Reference: Docket No. 50-285

Dear Mr. Collins:

IE Bulletin 83-04
Failure of the Undervoltage Trip
Function of Reactor Trip Breakers

Attached is Omaha Public Power District's response to the five (5) items requested in IE Bulletin 83-04. It should be noted that the Fort Calhoun Station automatic trip function from the RPS does not use circuit breakers as the trip mechanism, but rather uses contactors to interrupt power to the clutch power supplies. The only function of the circuit breaker is to protect the wiring from overcurrent and provide one of the two manual trips via the undervoltage trip units associated with each breaker.

Sincerely,

W. C. Jones
Division Manager
Production Operations

WCJ/TLP:jmm

Attachment

cc: U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

LeBoeuf, Lamb, Leiby & MacRae
1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036

Mr. L. A. Yandell, NRC
Senior Resident Inspector
Mr. E. G. Tourigny, NRC
Project Manager

A011

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
Omaha Public Power District	)	Docket No. 50-285
(Fort Calhoun Station,	)	
Unit No. 1)	)	

AFFIDAVIT

. . . . . being duly sworn, hereby deposes and says that he is Division Manager - Production Operations of Omaha Public Power District; that he is duly authorized to sign and file with the Nuclear Regulatory Commission the attached response to IE Bulletin 83-04; that he is familiar with the content thereof; and that the matters set forth therein are true and correct to the best of his knowledge, information and belief.

W. C. Jones
Division Manager
Production Operations

STATE OF NEBRASKA)
) ss
COUNTY OF DOUGLAS)

Subscribed and sworn to before me, a Notary Public in and for the State of Nebraska on this 28TH day of March, 1983.

J. T. Gleason
Notary Public

GENERAL NOTARY - State of Nebraska
J.T. GLEASON
My Comm. Exp. July 28, 1986

Attachment

RESPONSE TO IE BULLETIN 83-04

Item 1

Perform surveillance tests of undervoltage trip function independent of the shunt trip function within 5 days of receipt of IE Bulletin 83-04 unless equivalent testing has been performed within 10 days. Those plants currently shutdown should complete this item before resuming operation or within 10 days, whichever is sooner. Those plants for which on-line testability is not provided should complete this item at the next plant shutdown if currently operating.

Identify results of this testing. Plants without on-line testability should report the date and results of the most recent test.

Response

The undervoltage trip function was tested per ST-RPS-10 on March 21, 1983, with satisfactory results.

Item 2

Review the maintenance program for conformance to the latest manufacturer's recommendation, including frequency and lubrication. Verify actual implementation of the program. If maintenance does not conform, initiate such maintenance within 5 days of receipt of IE Bulletin 83-04 or provide an alternate maintenance program. Repeat the test required in Item 1 prior to declaring the breaker OPERABLE.

Identify conformance of the maintenance program to manufacturer's recommendation and describe results of maintenance performed directly as a result of IE Bulletin 83-04 in response to Item 2.

Response

A maintenance procedure has been written which includes the manufacturer's recommendations for preventative maintenance on the clutch power supply circuit breakers. This procedure will be performed prior to reactor start-up following the refueling outage presently in progress. These circuit breakers will also be cycled several times on a periodic basis (each refueling) as recommended by the manufacturer by use of ST-RPS-10.

In addition, a maintenance procedure has been written and will be performed prior to reactor start-up on the "M" contactors which are in the reactor protective system clutch power supply circuit.

Item 3

Provide a statement that provisions are in place to notify licensed operators of the Salem and San Onofre events and bring to their attention appropriate failure-to-trip emergency procedures upon their arrival on-shift.

Response

All licensed operators have been notified of the Salem and San Onofre events and have been given training on the appropriate failure-to-trip emergency procedures upon their arrival on-shift.

Item 4

Provide a description of all RPS breaker malfunctions not previously reported to the NRC.

Response

There are none.

Item 5

Verify that procurement, testing, and maintenance activities treat the RPS breaker and UV devices as safety related. Report the results of this verification to the NRC.

Response

The RPS breakers were purchased from Combustion Engineering as original equipment with the reactor protective system. Since initial start-up, there have been no parts purchased for RPS breakers. The entire system was purchased under standards that existed prior to 1973. Procurement, testing, and maintenance activities treat the reactor protective system, up to and including the clutch power supplies, as safety related.