Response

The review of the reports is being expedited, however, additional information has been requested from Westinghouse before the review can be completed.

If you have any questions, please contact my office.

Very truly yours,

J. J. Carey
Vice President, Nuclear

Attachments

cc: Mr. W. M. Troskoski, Resident Inspector
U.S. Nuclear Regulatory Commission
Beaver Valley Power Station
Shippingport, PA 15077

U.S. Nuclear Regulatory Commission
c/o Document Management Branch
Washington, DC 20555

Mr. D. R. Lasher
Instrument and Control System Branch
Mail Stop P-1030
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Director, Safety Evaluation and Control
Virginia Electric & Power Company
P.O. Box 26666
One James River Plaza
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Mr. Peter Tam, Project Manager
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Phillips Building
Washington, DC 20555
- Mail Stop 438 -

Duquesne Light

Telephone (412) 393-6000

Nuclear Group
P.O. Box 4
Shippingport, PA 15077-0004

September 3, 1985

U.S. Nuclear Regulatory
Division of Licensing
Attn: Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Generic Letter 83-28, Item 4.3
Bypass Breaker Status Lights and Seismic Qualification of STA

Gentlemen:

By letters dated January 14, 1985, and May 10, 1985, we provided responses to the Safety Evaluation (SE) on Generic Letter 83-28, Item 4.3 (dated November 8, 1984) and the NRC's position on bypass breaker status indication (dated March 20, 1985). Per telecon on August 16, 1985, the NRC staff requested additional information on this item to complete the SE.

The information requested and Beaver Valley - Unit 1 responses are as follows:

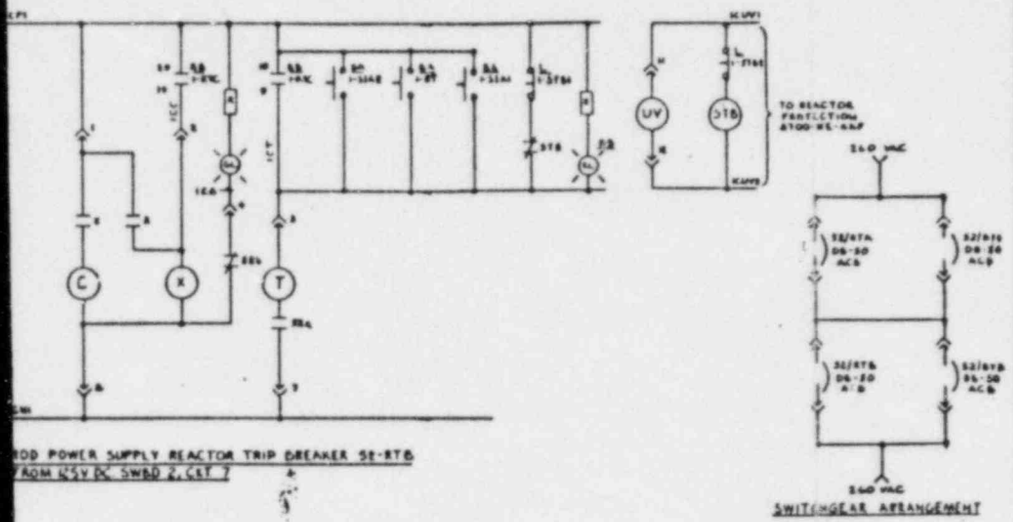
1. Revise the design of the bypass breaker control room status lights such that they are disconnected when the breaker is in the TEST and DISCONNECTED position to avoid operator confusion when the breaker is not RACKED IN.

   Response

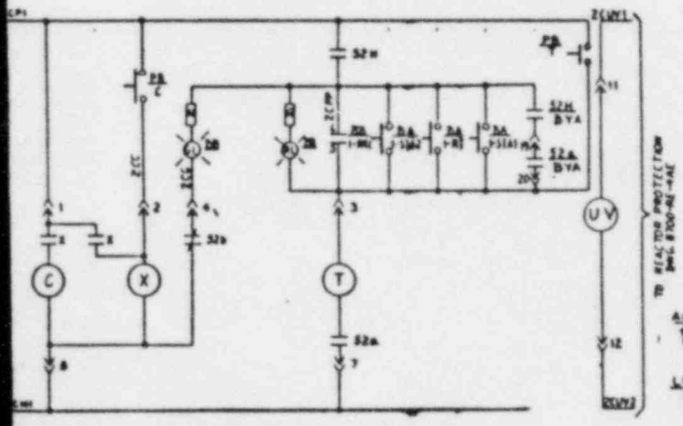
   During the telecon, DLC committed to propose a revision to the design of the bypass breaker status lights. Since then, we have revised the design of the status light circuit for the bypass breakers by placing the lights in series with a cell switch to accomplish the above. Attached is a preliminary electrical elementary diagram of the automatic shunt trip modification.

2. The results of our review of the seismic qualification reports on the shunt trip attachment and auto shunt trip panel.

A055
1/1



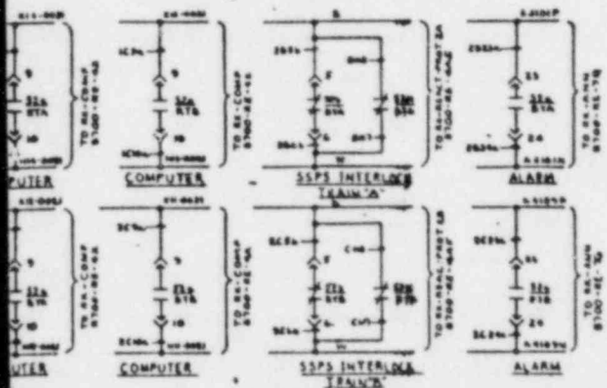
ROD POWER SUPPLY REACTOR TRIP BREAKER 52-RTB
FROM 125V DC SWBD 2, CKT 7



AUXILIARY SWITCHES

LOCATION:

ROD POWER SUPPLY DB-50 BYPASS BREAKER 52-BYB
FROM 125VDC SWITCHBOARD No.1 CIRCUIT No. 7



LEGEND:

- CELL SWITCH, CLOSED IN OPERATING POSITION ONLY
- CELL SWITCH, CLOSED IN TEST POSITION ONLY
- TP — DISCONNECTING CONTACT, CLOSED ONLY WHEN DEVICE IS IN THE TEST POSITION.
- OP — DISCONNECTING CONTACTS, CLOSED ONLY WHEN DEVICE IS IN THE OPERATING POSITION
- DISCONNECTING CONTACT, CLOSED WHEN BREAKER IS IN THE OPERATING POSITION.
- CONTACT CLOSED WHEN DEVICE IS IN DE-ENERGIZED OR NON-OPERATED POSITION (TYPICAL)
- HEINEMAN AIR CIRCUIT BREAKER
- INDICATING LIGHTS: AL-AMBER, BL-BLUE, C-CLEAR, GL-GREEN, RD-RED, WL-WHITE
- 74 ALARM RELAY
- 47 TIME DELAY RELAY
- 52 AIR CIRCUIT BREAKER
- 49 MACHINE OR TRANSFORMER THERMAL DEVICE RELAY
- C CLOSING COIL
- T TRIP COIL
- X CONTROL RELAY
- STA AUXILIARY RELAY FOR AUTOMATIC SHUNT TRIP
- HSTA1 BLOCK AUTO SHUNT TRIP-PUSHBUTTON
- HSTA2 TEST AUTO SHUNT TRIP-PUSHBUTTON
- STB AUXILIARY RELAY FOR AUTOMATIC SHUNT TRIP
- HSTB1 BLOCK AUTO SHUNT TRIP-PUSHBUTTON
- HSTB2 TEST AUTO SHUNT TRIP-PUSHBUTTON
- PB/C TEST CLOSE PUSH BUTTON
- PB/T TEST TRIP PUSH BUTTON

REFERENCES:

EQUIPMENT IDENTIFICATION	"E" SERIES ELEMENTARY	LOGIC DIAGRAM	ONE LINE DIAGRAM	WIRING DIAGRAM
52 RTA		L36-1-4	RE-6J	RE-6A
52 RTB		L36-1-4	RE-6J	RE-5A
52 BYA		L36-1-4	RE-6J	RE-6L
52 BYB		L36-1-4	RE-6J	RE-6L

1	ORIGINAL ISSUE		
REVISIONS			

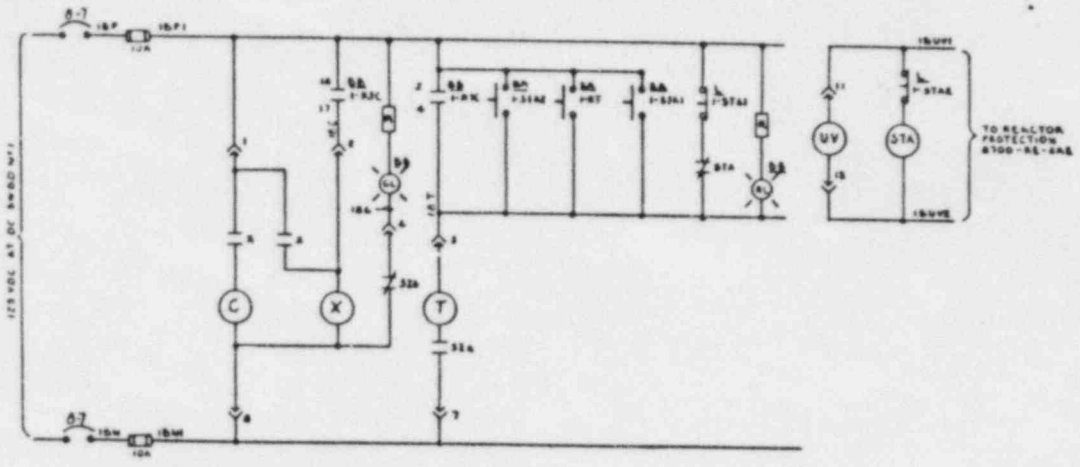
DUQUESNE LIGHT COMPANY
ENGINEERING & CONSTRUCTION DIVISION — PITTSBURGH, PA.

SCALE	DATE	ARCH APP	FINAL APP FOR ISSUE
NONE	DRAWN	ELECT APP	
	CHECKED	MECH APP	
	VERIFIED	STRUC APP	

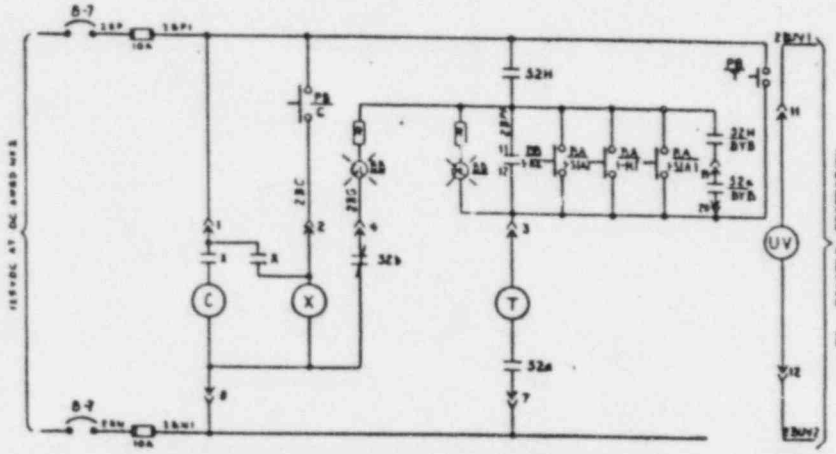
ELEM. DIAG. REACTOR TRIP SWITCHGEAR
52/RTA, 52/RTB, 52/BYA, 52/BYB

BEAVER VALLEY POWER STATION—UNIT No. 1

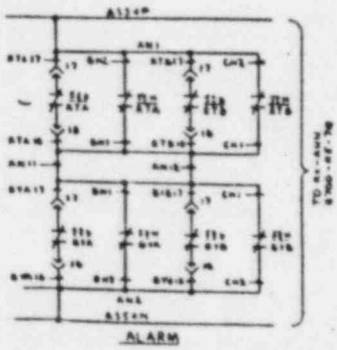
D.C.P. NO.	D.F.S. NO.		
STA. NO.	C.O. NO.	AA	8700-RE-

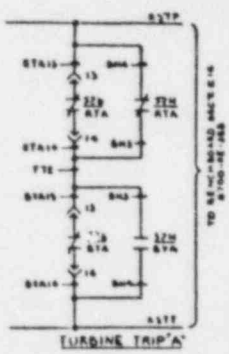


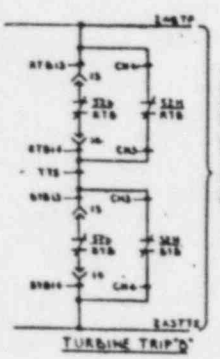
ROD POWER SUPPLY REACTOR TRIP BREAKER 52-RTA
FROM 125 V D.C. SWBD 1, CKT. 7

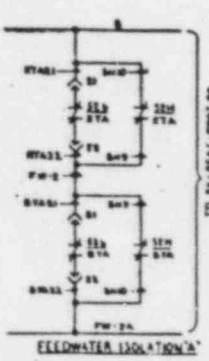


ROD POWER SUPPLY DB-50 BYPASS BREAKER 52-BYA
FROM 125 VDC SWITCHBOARD No. 2 CIRCUIT No. 7


ALARM


TURBINE TRIP 'A'


TURBINE TRIP 'B'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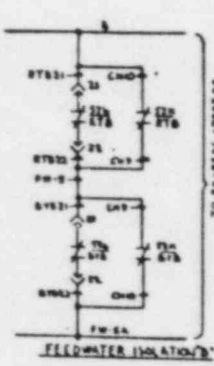
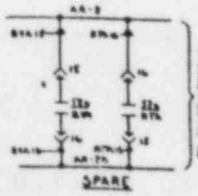
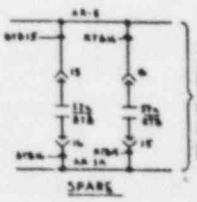

FEEDWATER ISOLATION 'B'


SPARE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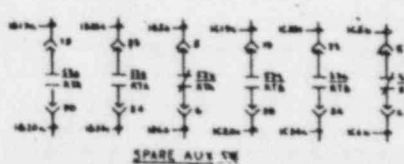
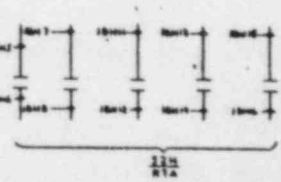

SPARE AUX SW CONTACTS


SPARE CELL SW CONTACTS