

Duquesne Light Company

Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004

JOHN D. SIEBER
Vice President - Nuclear Group

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June 30, 1988

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1 and No. 2
BV-1 Docket No. 50-334, License No. DPR-66
BV-2 Docket No. 50-412, License No. NPF-73
NRC Bulletin No. 88-01; Defects in Westinghouse Circuit
Breakers (TACS 65955/65956)

Gentlemen:

Per our letter dated March 7, 1988, we submitted our response to NRC Bulletin 88-01, "Defects in Westinghouse Circuit Breakers". There are four Westinghouse DS series circuit breakers used in Class 1E application at Beaver Valley. These four breakers include the Unit 2 reactor trip (RT) breakers, Train A and B and the Unit 2 reactor trip bypass (RTB) breakers, Train A and B. These four breakers are identified as follows:

RT Breaker, Train A	S/N	02YN073B-3
RT Breaker, Train B	S/N	02YN073B-4
RTB Breaker, Train A	S/N	02YN073B-1
RTB Breaker, Train B	S/N	02YN073B-2

Within our response we stated the two RTB breakers had been inspected and satisfied the acceptance criteria of Sections 6.1.2 (interim criteria) and 7.1 of Westinghouse Technical Bulletin NSID 87-11 as modified by NRC Bulletin 88-01. The remaining two breakers (RT, Train A and B) had been previously inspected but not to the full criteria of NRC Bulletin 88-01. We further stated that the full inspection of these two breakers would be completed at the next available maintenance outage after receiving acceptable breaker pole shaft replacements and a followup report submitted.

Two replacement breaker pole shafts were received in late March. These pole shafts were inspected by a qualified welding inspector and fully satisfied the short and long term inspection criteria (Sections 6.1.1 and 7.1) of NRC Bulletin 88-01. During a short outage in the first week of April the RT breakers were removed and a spare DS-416 breaker (S/N 871698-1) and one of the RTB breakers (S/N 02YN073B-1) were placed in the RT breaker position prior to startup. The spare DS-416 was also inspected by a qualified welding inspector prior to installing the breaker and fully satisfied the short and long-term inspection criteria (Sections 6.1.1 and 7.1) of NRC Bulletin 88-01. This breaker re-arrangement allowed access to the RT breakers that

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had not been fully inspected. The pole shafts for the two RT breakers removed from service (S/N 02YN073B-3 and B-4) were then replaced with the new pole shafts and inserted into the bypass breaker position.

Two additional new pole shafts were received in mid April. These pole shafts were inspected as above and found to also fully satisfy the short and long-term inspection criteria (Section 6.1.1 and 7.1, of NRC Bulletin 88-01. One of these two pole shafts was installed in the DS-416 breaker (S/N 02YN073B-2) that was taken out of service when the spare breaker was inserted into the RT breaker position. During the next scheduled Reactor Trip System surveillance test, the RT breaker that only satisfied the interim criteria of section 6.1.2 (S/N 02YN073B-1) was removed and this reworked breaker placed in service. The breaker that was removed was then reworked installing the other new pole shaft and is available as a spare.


In summary, all Class 1E DS-416 breakers in use at Beaver Valley Unit No. 2 now fully comply with the pole shaft weld requirements of section 6.1.1 and 7.1 of Westinghouse Technical Bulletin 87-11 as modified by NRC Bulletin 88-01 and all breaker alignment checks required by Section 7.2 of the Westinghouse Bulletin have been satisfactorily completed.

The following additional information is provided concerning the cost of complying with the bulletin.

- (1) Staff time to perform requested inspections, corrective actions and associated operability testing - 24 manhours in addition to original submittal.
- (2) Staff time to prepare requested documentation - 20 manhours in addition to original submittal.
- (3) Additional cost incurred as a result of the inspection findings (eg., cost of corrective actions, cost of down time) - \$2,400 for vendor surveillance in addition to cost provided in original submittal.

Should you have any questions with this response, please contact my office.

Very truly yours,


J. D. Sieber
Vice President
Nuclear Group

cc: Mr. J. Beall, Sr. Resident Inspector
Mr. W. T. Russell, NRC Region I Administrator
Mr. P. Tam, Project Manager
Director, Safety Evaluation & Control (VEPCO)

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF BEAVER)

On this 30th day of June, 1988,
before me, Shirley M. Fattore, a Notary Public in and for said
Commonwealth and County, personally appeared J. D. Sieber, who being
duly sworn, deposed, and said that (1) he is Vice President of
Duquesne Light, (2) he is duly authorized to execute and file the
foregoing Submittal on behalf of said Company, and (3) the statements
set forth in the Submittal are true and correct to the best of his
knowledge, information and belief.

Shirley M. Fattore

SHIRLEY M. FATTORÉ, NOTARY PUBLIC
SHEPPHARDT ROAD, BEAVER COUNTY
BY COMMISSION EXPIRES OCT. 25, 1990
Notary, Pennsylvania (Provisional) #110148