

Duquesne Light Company

Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004
(412) 393-5255

January 3, 1992

JOHN D. SIEBER
Vice President - Nuclear Group

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

Subject: Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Heinemann Electric Co. Breakers Supplied by Systems Control Co.

Reference: 1) NRC letter to DLC, dated December 5, 1991.
2) DLC Response to NRC Bulletin 88-10, Supplement 1, dated October 9, 1989.

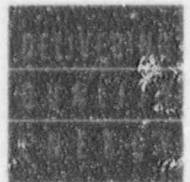
As requested by your letter of December 5, 1991 (Ref. 1), Duquesne Light Co. has evaluated NRC Inspection Report No. 99900712/90-01 relative to the Heinemann breakers supplied during the 1984-1986 time period by Systems Control Co. for use at our BVPS Unit 2 facility. The inspection report concluded that Systems Control met the intent of the original purchase; however, the vendor's Certificates of Conformances (CoC's) do not provide an adequate basis for use of the subject breakers in Class 1E applications without further evaluation and/or qualification testing.

The breakers that were provided by Systems Control were specified as commercial grade and were to be qualified as Class 1E components via similarity to the test specimen circuit breakers listed in NTS Qualification Procedure No. 15891. The NRC inspection report noted that the inspector verified that the Heinemann breakers supplied by Systems Control were of the type specified in NTS Qualification Procedure No. 15891.

In our response to NRC Bulletin 88-10, Supplement 1 (Ref. 2), it was stated that the breakers purchased since August 1, 1983, for construction of BVPS Unit 2 were subject to a formal testing program based on NEMA AB 1 and that the test procedure used was comparable to the test criteria presented in the Bulletin. DLC visually inspected each breaker upon receipt and bench tested them prior to installation in various 120 VAC 1E and non-1E distribution panels. Upon installation, the devices were functionally tested which demonstrated increased assurance as to the quality of the components. Upon review of the maintenance history over the last four (4) years of operation, only one (1) Heinemann breaker of this type required replacement which was due to the breaker tripping inadvertently.

9201160003 920103
PDR - ADOCK 05000412
PDR
-8

10/1 Add: NRR/DRIS/RVIB
1



Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Heinemann Electric Co. Breakers Supplied by Systems Control Co.
Page 2

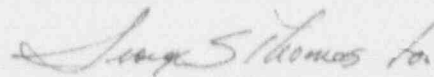
In summary, the factors that support the use of the subject breakers in 1E applications are as follows:

- Systems Control was an approved vendor.
- Systems Control had an auditable QA program.
- Acton Labs completed seismic testing of a sample of these breakers in April 1986.
- Both Systems Control and DLC performed visual and electrical proof testing of components.
- DLC's maintenance history of the subject breakers in use at BVPS Unit 2 has demonstrated satisfactory operational performance of the breakers.

To provide further justification for the acceptability and use of the subject breakers, a representative sample of these breakers has been removed from stock and sent out for qualification testing. The laboratory testing is scheduled to be completed by May 31, 1992, at which time the results will be conveyed to the NRC.

If there are any questions concerning this response, please contact Mr. James V. Vassello at (412) 393-5203.

Sincerely,



J. D. Sieber

cc: Mr. J. Beall, Sr. Resident Inspector
Mr. T. T. Martin, NRC Region I Administrator
Mr. Charles W. Hehl, Director, Division of Reactor Projects,
Region I
Mr. A. W. DeAgazio, Project Manager