



(412) 456-8000

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station
Post Office Box 4
Shippingport, PA 15077

February 23, 1981
BVPS:JAW:1111

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, Licence No. DPR-56
LER 81-014/01P

Mr. E. H. Crier, Director of Regulation
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Crier:

In accordance with Appendix A, Beaver Valley Technical Specifications, Licensee Event Report LER 81-014/01P, Technical Specification 6.9.1.8.c, Pressure Boundary Weld Crack, is submitted. This occurrence was reported to the Beaver Valley NRC Resident Inspector Mr. J. D. Hegner at 0900 hours and on the Hotline phone at 1206 hours on February 22, 1981.

At 1130 hours on Saturday, February 21, 1981, while making preparations for plant startup, instrument technicians reported a leak at a reactor coolant system (RCS) valve. The reactor coolant system pressure was 2235 psig and temperature was 547° F. The leak was traced to the vicinity of RC-11, which is the root stop for PT-RC-403 [RCS wide range pressure transmitter] and RVV-RH-700 (Residual Heat Removal System inlet.) At this point it was felt that it was a body to bonnet leak on one of these two valves, but couldn't be confirmed due to the mirror insulation surrounding the piping and valves. Plans were started to provide a method of sealing the valve. On the afternoon shift the RCS leakage inventory was calculated to be less than 0.5 gpm. RCS leakage was calculated on the midnight shift on February 22, 1981 to be 2.7 gpm. At 0100 hours on February 22, 1981, a cooldown to mode 3 was commenced due to the increased leakage. While the cooldown was in progress the mirror

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insulation was being removed for a complete view of the leak. At 0700 hours the leak rate was up to 10gpm. At 1100 hours on February 22, 1981 workmen entered the containment building and were able to identify positively a weld leak where the RC-11 nipple penetrates the RCS boundary.

At the present time discussions are proceeding with Westinghouse and Duquesne Light Company Engineering Department to determine an action plan to be followed. The plant is in mode 5 and is being drained to mid span in the RCS loops to allow the cracked weld to be repaired. A complete followup report will be submitted and the resident inspector will be kept up to date on the progress of the job.

Very truly yours,

J.P. Williams

for J. A. Werling
Superintendent

cc: Director Of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D. C. 20555

D. A. Chaney, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, D. C. 20555

D. A. Beckman, Nuclear Regulatory Commission, BVPS Site Inspector
Nuclear Safety Analysis Center, Palo Alto, California

Mr. John Alford, PA Public Utilities Commission, Harrisburg, PA

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

LICENSEE CODE 01 LICENSE NUMBER 05000334 LICENSE TYPE 02 CAT 58 28

CON'T REPORT SOURCE 01 DOCKET NUMBER 05000334 EVENT DATE 022281 REPORT DATE 022381

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02 03 04 05 06 07 08 09

SYSTEM CODE 11 CAUSE CODE 12 CAUSE SUBCODE 13 COMPONENT CODE 14 COMP. SUBCODE 15 VALVE SUBCODE 16

LER/RO REPORT NUMBER 17 EVENT YEAR 81 SEQUENTIAL REPORT NO. 014 OCCURRENCE CODE 18 REPORT TYPE 19 REVISION NO. 20

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PUBLICITY ISSUED DESCRIPTION 45

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NAME OF PREPARER _____ PHONE: _____