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June 5, 1984

ATTENTION: Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

SUBJECT: Beaver Valley Power Station - Unit No. 2
Docket No. 50-412
Response to Generic Letter 81-21
"Natural Circulation Cooldown"

Gentlemen:

This letter is Beaver Valley Power Station Unit 2's (BVPS-2) response to Generic Letter 81-21 as requested to be submitted four months prior to the staff's scheduled issuance of its operating license Safety Evaluation Report.

As stated in Generic Letter 81-21, the assessment to be submitted is to address the procedures, training program, and analysis and/or tests to enable operator to avoid, recognize, and properly react to reactor vessel voiding during natural circulation cooldown. The following items relate to the items identified in the Generic Letter respectively.

ITEM 1: Demonstration (i.e., analysis and/or test):

On January 26, 1983, BVPS-2 submitted its FSAR and docketed May 18, 1983. Section 5A, "Cold Shutdown Capability," of the FSAR identifies the degree of compliance to Branch Technical Position (BTP) RSB 5-1, Rev. 2, in Table 5A-1. In Table 5A-1, BVPS-2 refers to a plant similar in design to BVPS-2 where analyses and/or tests were conducted. These tests included Natural Circulation Test Reports which clearly demonstrated the ability to initiate a controlled natural circulation cooldown in a Westinghouse three-loop plant. Therefore, because of the close similarity, BVPS-2 does not plan to repeat a Natural Circulation Test at BVPS-2.

ITEM 2: Verification of Supplies of Auxiliary Feedwater to Support Cooldown Method:

In Section 10.4.9 and Appendix 5A of the BVPS-2 FSAR, the capacities and capabilities of the safety grade auxiliary feedwater system to support cold shutdown with natural circulation cooling are identified.

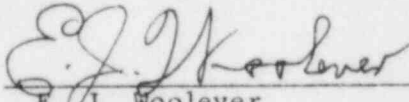
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ITEM 3: Description of Training Program:

BVPS-2 will address Item 3 in response to open items/questions identified in BVPS-2 Draft Safety Analysis Report (SER) Section 13 concerning BVPS-2's Training Program.

DUQUESNE LIGHT COMPANY

By 
E. J. Woolever
Vice President

SDH/wjs

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