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United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

ATTENTION: MR. BOYCE H. GRIER, DIRECTOR

SUBJECT: Beaver Valley Power Station - Unit No. 2
Docket No. 50-412
Response to IE Bulletin 79-14

Gentlemen:

The following information is provided in response to I&E Bulletin 79-14, issued July 2, 1979, revised July 18, 1979 and supplemented on August 15, 1979 and September 7, 1979 as it applies to Beaver Valley Power Station - Unit No. 2. The item numbers listed below correspond to numbered items in IE Bulletin 79-14.

Item (1)

No significant portions of safety-related piping systems have been erected to date at Beaver Valley Power Station - Unit No. 2. Therefore, the inspections/field verification requested by NRC IE Bulletin 79-14 cannot be implemented at this time. The following information, however, is provided as requested.

All safety-related piping systems at BVPS-2 are designed, fabricated, and erected to meet the requirements of the 1971 Edition and addenda through the Winter 1972 Addendum of the ASME III Code. As required by Section NA-3252 of the Code, these piping systems are designed in accordance with a Design Specification. This Design Specification - Piping, Engineering, and Design (Spec. No. 2BVS-939), Revision I, dated July 10, 1974, includes all appropriate design requirements to assure that these safety-related piping systems are designed to meet the requirements of the Code. In conjunction with the Design Specification, the following input documents are used to provide specific design data in the seismic analysis as specified in 2BVS-939 for safety-related piping systems.

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- a. RP/RB series drawings: Provide piping geometry, pipe support and valve locations and orientations, line designation numbers, etc.
- b. Line Designation Tables: Provide line numbers and the associated pipe properties, insulation type and thickness, etc.
- c. RC and RS series drawings: Structural steel and concrete drawings used in pipe support design.
- d. Amplified Response Spectra and Seismic Displacements of Buildings.
- e. Vendor Drawings and Seismic Reports for Valves: Provide valve and operator weights, center of gravity, orientation, etc.
- f. Piping and Pipe Support Specifications:
 - 1. 2BVS-58, Specification for Shop Fabricated Pipe, Revision 1, dated December 31, 1973.
 - 2. 2BVS-59, Specification for the Design and Fabrication of Power Plant Pipe Supports, Revision I, dated January 31, 1977.
 - 3. 2BVS-920, Specification for the Field Fabrication and Erection of Piping, Revision 3, dated August 22, 1978.
- g. Vendor Component Drawings/Date: Provides component geometry, acceptable nozzle loadings, etc.

The results of the final pipe stress analysis calculated using the above are documented in the following documents:

- a. AX series documents: Pipe stress analysis summary sheets
- b. RZ/BZ series drawings: Pipe support loading summaries and support detail drawings

The stress analysis and the input documents used in the analyses are based on approved documents/procedures which are governed by Stone & Webster Engineering Assurance Procedures and technical guidelines. Allowable construction tolerances, where appropriate, are specified in the appropriate drawings and specifications.

The Quality Assurance program in effect at the BVPS-2 jobsite assures that all safety-related piping and pipe supports are installed in accordance with approved documents which were used as a basis for the final stress analyses. After installation/fabrication, an inspection program (which includes the Authorized Nuclear Inspector - ANI) assures conformance to approved documents. All deviations identified during fabrication, installation, and verification inspection phases are reported to the Engineers through Engineering and Design Coordination Reports or Nonconformance and Disposition Reports for resolution. Changes resulting from the disposition of these reports are included in a revised stress analysis of the piping system, as appropriate, and are included in the final as-built drawings.

Items 2, 3, and 4

As discussed under Item 1, inspection/field verification of safety-related piping systems at BVPS-2 is premature; therefore, the action requested under items 2, 3, and 4 of NRC IE Bulletin 79-14 are not applicable to BVPS-2.

Should you have any additional questions regarding this matter, please contact us.

DUQUESNE LIGHT COMPANY

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