



Public Service Company

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NSIC

September 4, 1979
Fort St. Vrain
Unit No. 1
P-79198

Mr. Karl V. Seyfrit, Director
Nuclear Regulatory Commission
Region IV
Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

Docket 50-267

Subject: Audit of Safety Related
Piping Systems

Reference: PSC Letter P-79161,
Dated August 1, 1979

Gentlemen:

Public Service Company of Colorado has completed the field audit and a preliminary engineering analysis of a random sample of as-built safety related piping isometric and associated hanger drawings as committed to in the referenced correspondence.

The audit included a field verification of the as-built installation of the piping shown on 26 Class I piping isometric drawings and the 94 associated hanger drawings. The general validity of the seismic design inputs documentation on 18 of the isometric drawings and 64 of the hanger drawings was confirmed.

On the remaining 8 isometric drawings and 30 hanger drawings, inconsistencies judged to be potentially significant were identified between the field installation and the reference documentation.

An analytical evaluation of the noted isometric drawing inconsistencies indicates that they would not result in invalidation of the seismic qualification of the piping depicted on the subject isometric drawing.

An analytical analysis of the inconsistencies identified in the hangers indicates that 18 of the hangers of concern fulfill Class I design requirements.

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Mr. Karl V. Seyfrit
September 4, 1979
Page 2

The remaining 12 hangers have inconsistencies that may jeopardize the operability of the associated systems in the event of a design basis earthquake. Because the sampling of isometric drawings and associated hangers was made on a random basis, no conclusions can be drawn as to the continued operability of those systems or portions of systems required to remain operable during and after a design basis earthquake.

On the basis of the results of the audit, Public Service Company of Colorado has determined that the piping system seismic hanger/support system for the Class I piping may not be installed per the design requirements defined in the FSAR and may require corrective modifications to bring the "as-built" systems into agreement with the design intent.

Because of the inconsistencies noted, the Public Service Company of Colorado has temporarily suspended operation of the Fort St. Vrain unit as of approximately 1800 hours on September 1, 1979.

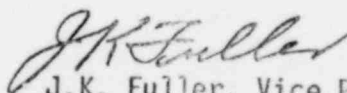
Public Service Company would intend to hold the unit out of service until such time as the inconsistencies in the 12 hangers in question can be resolved satisfactorily or until such time that the installation of those systems or portions of systems required to facilitate reactor primary coolant depressurization and decay heat removal through PCRV liner cooling can be confirmed to be in compliance with the seismic design criteria.

Following resolution of the inconsistencies in the 12 hangers or confirmation that those systems or portions of systems required to facilitate reactor primary coolant depressurization and decay heat removal through PCRV liner cooling are in conformance with the seismic design criteria, Public Service Company would propose to return the reactor to power operation and to then complete the confirmation of the seismic design inputs of the remaining Class I piping.

PSC requests NRC concurrence with this proposal.

If there are any questions, please refer them to this office.

Very truly yours,



J.K. Fuller, Vice President
Engineering and Planning

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