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WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
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August 9, 1984
BECO 84-127

Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

License No. DPR-35
Docket No. 50-293

Plant Specific Analysis to Determine Gas and Water
Clearing Thrust Levels Associated with Second SRV
Actuation in Relief Valve Discharge Lines

Reference: NRC letter (1.84-170) Domenic Vassallo to W. D. Harrington
dated June 13, 1984

Dear Sir,

In the above referenced letter, you requested information regarding analysis and methodology for the Mark I long term program not in conformance with NUREG-0661.

A review of the procedures used to determine the SRV clearing thrust loads for Pilgrim Nuclear Power Station reveals complete conformance with NUREG-0661.

Each of the four SRV discharge lines at Pilgrim has been fitted with two, ten-inch vacuum breakers, in addition to the original one-inch vacuum breakers. This modification minimizes the temporary formation of the high water leg in the SRV line which could occur due to steam condensation oscillation after an initial actuation; and thereby prevents the high clearing loads which could occur if a second actuation occurred at that time.

Should you have any further questions, please do not hesitate to contact us.

Very truly yours,

W.D. Harrington

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