



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Nuclear Department

APR 28 1993

NLR-N92178

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

STATION BLACKOUT (SBO)
HOPE CREEK GENERATING STATION
DOCKET NO. 50-354

On June 1, 1992, Public Service Electric and Gas (PSE&G) received the, "Supplemental Safety Evaluation, Response to the Station Blackout Rule." In this letter, the NRC stated that PSE&G should "... verify that the main steam tunnel is habitable for the operator to perform the required manual operations during an SBO event." PSE&G has re-evaluated the habitability of the main steam tunnel and has determined that following an SBO event, the temperature within the main steam tunnel will increase to a marginal level for prolonged human habitability. Based on this re-evaluation, PSE&G decided that it would be more prudent to provide an alternate method for providing isolation of the main steam drain line as discussed in the following attachment.

If you have any questions in regard to this submittal, please contact us.

Sincerely,

S. LaBruna
Vice President -
Nuclear Engineering

Attachments (2)

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The power is in your hands.

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C Mr. T. T. Martin, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr S. Dembek, Licensing Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Mr. T. P. Johnson (S05)
USNRC Senior Resident Inspector

Mr. K. Tosch, Chief
NJ Department of Environmental Protection
Division of Environmental Quality
Bureau of Nuclear Engineering
CN 415
Trenton, NJ 08625

ATTACHMENT 1

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STATION BLACKOUT (SBO)
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On December 30, 1991, Public Service Electric and Gas (PSE&G) submitted to the NRC our, "Response to Safety Evaluation on Station Blackout (SBO)." In this submittal, PSE&G stated that an access hatch would be installed in the existing grating above the Main Steam (MS) Drain Valve 1AB-HV-F019 to facilitate manual operation of the valve. PSE&G has re-evaluated the habitability of the MS tunnel and has determined that it would be more prudent to provide an alternate means for isolating the MS drain line eliminating the need for this access hatch modification.

The configuration of the MS drain line, including associated branch lines and valving, is shown in Figure 1 (Attachment 2). Administrative and procedural controls will be implemented to maintain valves 1AB-HV-F020, 1AB-HV-F021 and either V018 or V019 in a closed position during plant operations above 15% power. These valves and the associated system piping are ASME Section III components and are classified as Q_s , which is defined as seismically supported and designed to maintain its integrity during a design basis event. However, these valves are not contained in Hope Creek's ASME Section XI inservice testing program for valves.

Based on the proposed administrative and procedure controls discussed above and valve 1AB-HV-F033 being less than 3", the MS drain line is being excluded based on exclusion criteria numbers 1 and 5 of Regulatory Guide 1.155, Section 3.2.7 and NUMARC 87-00, Section 7.2.5.

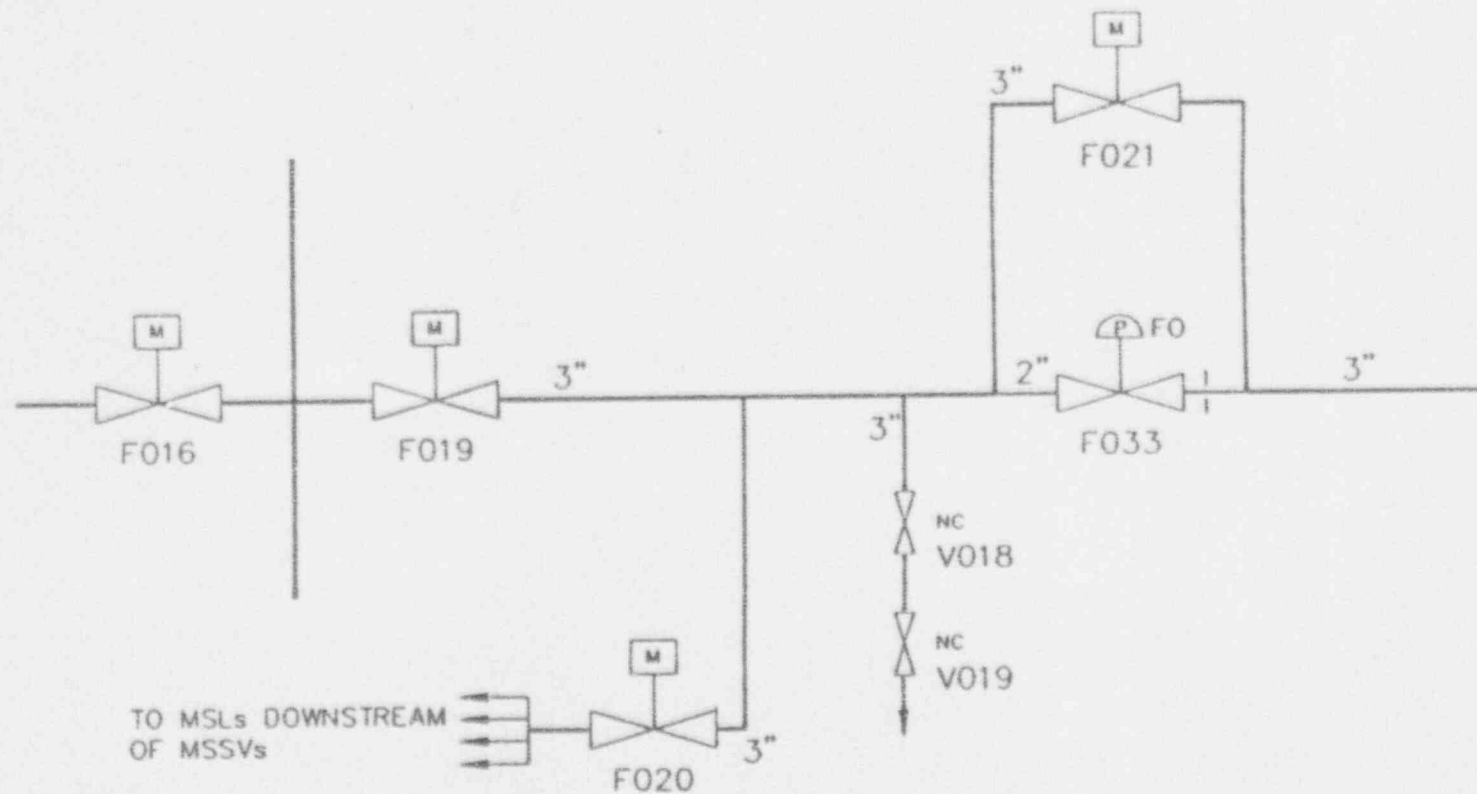


FIGURE 1
MAIN STEAM DRAIN LINE SCHEMATIC