



ATOMIC POWER COMPANY •

EDISON DRIVE
AUGUSTA, MAINE 04336
(207) 623-3521

September 24, 1985
MN-85-167

GDW-85-244

Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Edward J. Butcher, Jr.
Acting Branch Chief
Operating Reactors Branch No. 3
Division of Licensing

References: (a) License No. DPR-36 (Docket No. 50-309)
(b) USNRC Letter to MYAPCo dated May 8, 1980 - IE Bulletin 80-11
(c) MYAPCo Letter to USNRC dated April 22, 1985 (MN-85-78)

Subject: Additional Information on IE Bulletin 80-11 - Masonry Wall Design

Gentlemen:

As a result of the site inspection of masonry walls at Maine Yankee by NRC staff representatives P. Sears and N. Chokshi on September 18-19, 1985, Maine Yankee was requested to provide additional information on our review of the Turbine Building EL 21'0" masonry wall adjacent to heat exchanger Hx E-4A, Reference (c). This letter and the attached sketches provide the requested information.

As shown on the attached sketches the block wall adjacent to Hx E-4A is within 1"-4" of the heat exchanger and the top of the wall is only 4" above the centerline of the heat exchanger.

The consequence analysis performed to assess the impact of this wall collapsing during a seismic event consisted of two tasks. First, the wall was assumed to pivot about its base and strike the heat exchanger with a line load along its longitudinal centerline. This impact resulted in a shell stress of approximately 4 ksi, well below the shell material allowable. Second, a detailed reinspection of the heat exchanger was performed by Yankee Nuclear Services Division on September 19, 1985, to ensure that there were no small attachments to the heat exchanger shell which could be damaged by block debris. This reinspection found no attachments which could be damaged (the heat exchanger was originally inspected on or about December 15, 1980).

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United States Nuclear Regulatory Commission
Attention: Mr. Edward J. Butcher, Jr., Acting Branch Chief

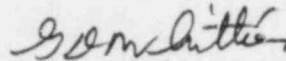
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Based upon the analysis and inspection described above, it was concluded that the failure of the block wall was acceptable since its collapse will not damage any safety-related equipment.

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

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

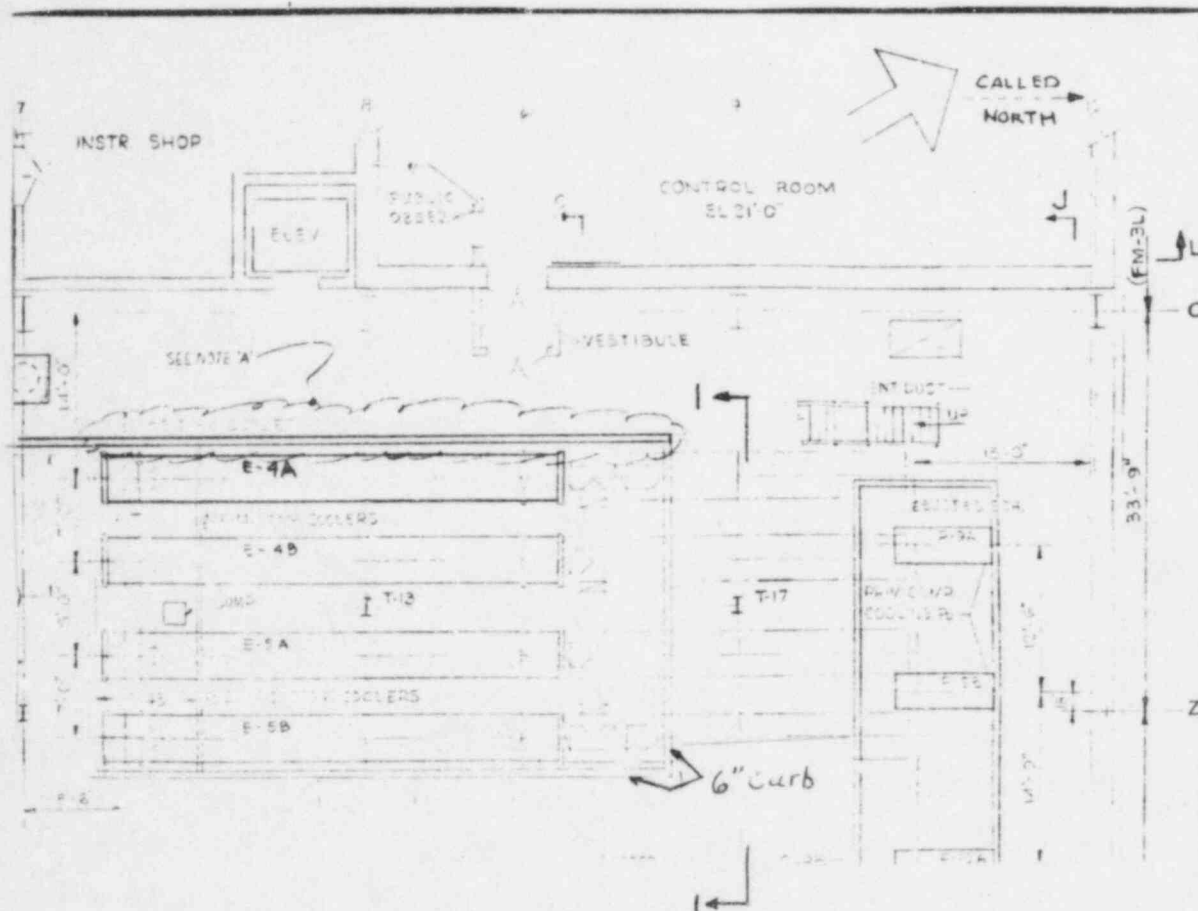


G. D. Whittier, Manager
Nuclear Engineering & Licensing

SDE/bjp

Enclosures:

cc: Dr. Thomas E. Murley
Mr. Cornelius F. Holden



PLAN VIEW
ELEV. 21'-0" TURBINE BLDG.
 (REFER TO NEXT SKETCH FOR SECT. 1-1)

NOTE A : 8" BLOCK WALL NEAR PCC HX E-4A

