

POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE NEW YORK, N. Y. 10019

(212) 397-6200

TRUSTEES

JOHN S. DYSON
CHAIRMAN

GEORGE L. INGALLS
VICE CHAIRMAN

RICHARD M. FLYNN

ROBERT I. MILLONZI

FREDERICK R. CLARK



January 26, 1983
JPN-83-06

LEROY W. SINCLAIR
PRESIDENT & CHIEF
OPERATING OFFICER

WALTER T. KICINSKI
FIRST EXECUTIVE
VICE PRESIDENT &
CHIEF ADMINISTRATIVE
OFFICER

JOSEPH R. SCHMIEDER
EXECUTIVE VICE
PRESIDENT & CHIEF
ENGINEER

JOHN W. BOSTON
EXECUTIVE VICE
PRESIDENT PROCEDURES
& PERFORMANCE

THOMAS R. FREY
SENIOR VICE PRESIDENT
& GENERAL COUNSEL

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing

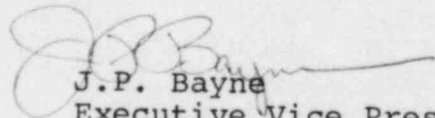
Subject: James A. FitzPatrick Nuclear Power Plant
Docket 50-333
IE Bulletin 80-11, "Masonry Wall Design"

Dear Sir:

A member of your staff telephoned the Authority to request additional information regarding masonry wall design at our FitzPatrick Plant. Attached to this letter is a summary of those questions and our response.

If you have any further questions, please contact Mr. J.A. Gray, Jr. of my staff

Very truly yours,


J.P. Bayne
Executive Vice President
Nuclear Generation

cc: Mr. J. Linville
Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 136
Lycoming, 13093

IF11

POWER AUTHORITY OF THE STATE OF NEW YORK
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Response to Oral Request for Additional Information
Regarding Masonry Wall Design, IE Bulletin No. 80-11

QUESTION 1: Identify those masonry walls evaluated by the Power Authority which have stress factors greater than those specified by the NRC's Structural Engineering Branch for extreme environmental conditions - (1.5 for tension parallel to bed joint and 1.3 for tension normal to the bed joint and masonry shear).

RESPONSE 1: Two masonry walls have calculated stress factors greater than 1.50 for tension parallel to the bed joint.

- a. Wall No. PH-255-3 (Pumphouse), stress factor: 1.57.
- b. Wall No. EB-272-15 (Turbine Building), stress factor: 1.65. This wall was formerly considered as wall Nos. EB-272-13. (see Ref. 1)

The only wall with a stress factor greater than 1.30 for tension normal to the bed joint is Wall No. EB-272-11 (Turbine Building), with a stress factor of 1.32. This is only slightly over the 1.30 criteria. Although the Authority was told during discussions with NRC staff members that this wall could be omitted from this list, we have included it for completeness.

QUESTION 2: Identify the location of those masonry walls with stress factors greater than 1.30. Identify structures, systems and components in their immediate vicinity.

RESPONSE 2: This information was previously supplied to the NRC in a report entitled "IE Bulletin No. 80-11, (60 day Response)." This report was submitted as an attachment to Reference 1.

QUESTION 3: Provide justification for those masonry walls with stress factors in excess of 1.30.

RESPONSE 3: Refer to the Authority's response to Question 5 of Reference 2 for a discussion of allowable stress factors.

References:

1. July 10, 1980 letter, R.J. Pasternak (PASNY) to B.H. Grier (USNRC) regarding IE Bulletin No. 80-11 (JAFP-80-565)
2. June 17, 1982 letter, J.P. Bayne (PASNY) to D.B. Vassallo (USNRC) regarding request for additional information on masonry wall design (JPN-82-51)