

IMMEDIATE ACTION LETTER

TJC



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
631 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

Docket No. 50-271  
File No. IAL 79-08

July 26, 1979

Vermont Yankee Nuclear Power Corporation  
ATTN: Mr. D. Moody  
Manager of Operations  
20 Turnpike Road  
Westborough, Massachusetts 01581

Gentlemen:

This refers to the telephone conversation conducted between Mr. E. J. Brunner, Mr. D. Moody and other members of the NRC and Vermont Yankee Nuclear Power Corporation staffs on July 26, 1979, regarding the base plate and anchor bolt test results and analyses obtained for Vermont Yankee Nuclear Power Station pursuant to IE Bulletin No. 79-02, Revision 1.

Based on the results of this conversation, it is our understanding that you will take the following actions:

1. Assess the conservatism in piping and support design due to the "Robinson Fix". Specifically;
  - a. A comparison of piping system natural frequencies and the response spectrum peaks will be performed.
  - b. Those systems where resonance can occur will be identified.
2. Identify the types of base plates that exist for the majority of the pipe supports and provide an estimate of the percentage of each type of support.
3. Develop a schedule for replacement of the anchor bolts. Include an expedited schedule for those systems which are identified in item 1.b.
4. Estimate the number of supports inside the drywell which use concrete expansion anchor bolts.
5. For those bolts that failed the bulletin test requirements but did not fail the torque test, perform an assessment of the capacity of these bolts in terms of a percentage of the design ultimate capacity.
6. State your conclusions on system operability based on the above assessment.

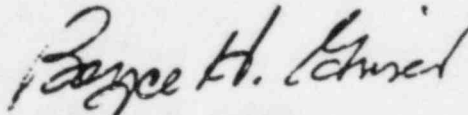
A written report of your action on the items described in 1 through 6 above will be provided to the regional office and NRR by Tuesday noon, July 31, 1979.

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Prior to use of epoxy resin material as a fix for the anchor bolts being repaired, provide a written report to the regional office of your evaluation of the acceptability of this method.

If our understanding of your planned actions, described above, is not in accordance with the actual plans and actions being implemented, please contact this office by telephone and in writing within 24 hours.

Sincerely,



Boyce H. Grier  
Director

cc:

W. F. Conway, Plant Superintendent  
J. Abbey, Technical Secretary  
A. Z. Roisman, Natural Resources Defense Council  
D. Thompson, XOOS, IE:HQ  
Lana Cobb, IE:HQ  
E. Jordan, ADTP, IE:HQ  
L. E. Tripp, RC&ES Br., RI  
G. L. Snyder, Assistant to Director, RI