

January 7, 1980

Office of Inspection and Enforcement
Region I
Attention: Mr. Boyce H. Grier, Director
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Grier:

Re: Nine Mile Point Unit 2
Docket NO. 50-410

Your November 8, 1979, IE Bulletin 79-02, Revision 2, requested that all holders of construction permits for power reactor facilities complete Items 5 and 6 for installed pipe supports. Furthermore, for pipe supports which have not yet been installed, you required that we document our action to assure that Items 1 through 6 will be satisfied. The following information is provided in response to the Bulletin for Nine Mile Point Unit 2:

Item 5

Determine the extent that expansion anchor bolts were used in concrete block (masonry) walls to attach piping supports in Seismic Category 1 systems (or safety related systems as defined by Revision 1 of IE Bulletin No. 79-02). If expansion anchor bolts were used in concrete block walls:

- a. Provide a list of the systems involved, with the number of supports, type of anchor bolt, line size, and whether these supports are accessible during normal plant operation.
- b. Describe in detail any design consideration used to account for this type of installation.
- c. Provide a detailed evaluation of the capability of the supports, including the anchor bolts, and block wall to meet the design loads. The evaluation must describe how the allowable loads on anchor bolts in concrete block walls were determined and also what analytical method was used to determine the integrity of the block walls under the imposed loads. Also describe the acceptance criteria, including the numerical values, used to perform this evaluation. Review the deficiencies identified in the Information Notice on the pipe supports and walls at Trojan to determine if a similar situation exists at your facility with regard to supports using anchor bolts in concrete block walls.

NOTE
2
8002190 036



- d. Describe the results of testing of anchor bolts in concrete block walls and your plans and schedule for any further action.

Response

No pipe supports with expansion anchor bolts were used in concrete block walls at Nine Mile Point Unit 2. Further, anchor bolts will not be used to support seismic Category I piping supports in masonry walls.

Item 6

Determine the extent that pipe supports with expansion anchor bolts used structural steel shapes instead of base plates. The systems and lines reviewed must be consistent with the criteria of IE Bulletin NO. 79-02, Revision 1. If expansion anchor bolts were used as described above, verify that the anchor bolt and structural steel shapes in these supports were included in the actions performed for the Bulletin. If these supports cannot be verified to have been included in the Bulletin actions:

- a. Provide a list of the systems involved, with the number of supports, type of anchor bolt, line size, and whether the supports are accessible during normal plant operation.
- b. Provide a detailed evaluation of the adequacy of the anchor bolt design and installation. The evaluation should address the assumed distribution of loads on the anchor bolts. The evaluation can be based on the results of previous anchor bolt testing and/or analysis which substantiates operability of the affected system.
- c. Describe your plans and schedule for any further action necessary to assure the affected systems meet Technical Specifications operability requirements in the event of an SSE.

Response

No pipe supports with expansion anchor bolts used structural steel shapes instead of base plates at Nine Mile Point Unit 2. However, if structural steel shapes are used instead of baseplates, they will meet established acceptance criteria.



— —

Finally, our letters dated July 10, 1979 and October 4, 1979 in response to Revision 0 and 1 of I.E. Bulletin 79-02 respectively provided adequate documentation to assure that Items 1 through 6 will be satisfied.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

A handwritten signature in black ink, appearing to read "Gerald K. Rhode", is written over a horizontal line.

Gerald K. Rhode
Vice President
System Project Management

PEF:jk

xc: U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Construction Inspection
Washington, D. C. 20555

