

## Item B-25: Piping Benchmark Problems (Rev. 1)

### DESCRIPTION

Applicants are required to provide confirmation of the adequacy of computer programs used in the structural analysis and design of piping systems and components. At the time this issue was identified, this consisted of applicants providing, and the staff reviewing, brief descriptions of the computer programs used and solutions to simple textbook problems. In order to better provide assurance of the reliability of these programs, this

NUREG-0471<sup>1</sup> task would consist of the staff developing benchmark problems and solutions to these problems for use in the review of applications for construction permits. The case-by-case review would then consist of requesting that the applicant submit solutions to the problems and comparing the applicant-supplied solutions to the staff solutions.

### CONCLUSION

As reported in the main report of NUREG-0933 published in 1983, work on this Licensing Issue was being done by BNL.<sup>2</sup> As a part of the improvements to NUREG-0933, the NRC staff clarified in SECY-11-0101, "Summary

of Activities Related to Generic Issues Program," dated July 26, 2011,<sup>3</sup> that the Generic Issues Program will not pursue any further actions toward resolution of licensing and regulatory impact issues. Because licensing and regulatory impact issues are not safety issues by the classification guidance in the legacy Generic Issues Program, these issues do not meet at least one of the Generic Issues Program screening criteria and do not warrant further processing in accordance with Management Directive 6.4, "Generic Issues Program," dated

November 17, 2009.<sup>4</sup> Therefore, this issue will not be pursued any further in the Generic Issues Program.

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<sup>1</sup> NUREG-0471, "Generic Task Problem Descriptions (Categories B, C, and D)," U.S. Nuclear Regulatory Commission, June 1978.

<sup>2</sup> Memorandum for T. Speis from J. Funches, "Prioritization of Generic Issues—Environmental and Licensing Improvements," February 24, 1983. [8303090540]

<sup>3</sup> SECY-11-0101, "Summary of Activities Related to Generic Issues Program," July 26, 2011. [ML111590814]

<sup>4</sup> Management Directive 6.4, "Generic Issues Program," U.S. Nuclear Regulatory Commission, November 17, 2009.

