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7 March 1980

Mr. Darrell Eisenhut, Acting Director
Division of Operating Reactors
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Seismic Review of Dresden Nuclear Power Station -- Unit 2
For the Systematic Evaluation Program
Report NUREG/CR-0891

Dear Mr. Eisenhut:

As a part of the Systematic Evaluation Program, and on behalf of the Senior Seismic Review Team, I am transmitting to you, under separate cover from The Lawrence Livermore Laboratory, the final report concerning our seismic review of Dresden Nuclear Power Station -- Unit 2.

The summary and conclusions contained in Chapter 2, and supported in detail by material presented in Chapters 5 and 6 in particular, are lengthy and no major attempt will be made here to paraphrase these observations. In general it is believed that the structures are adequate to resist an earthquake motion consistent with a 0.2 g SSE (some final checking on this point is underway as noted in the report); as for equipment, as noted in the report, the SSRT believes a number of items need checking and perhaps retrofitting.

Within the intended scope of the review, it was not feasible to re-examine every item in detail. By examining typical structures, equipment, components, and systems individually, the SSRT believed it possible to gain the necessary basis for assessing the overall adequacy and general margin of safety for meeting the SSE hazard. The reassessment focused generally on the reactor coolant pressure boundary and on those essential systems and components necessary to shut down the reactor safely and to maintain it in a safe shutdown condition following a postulated SSE earthquake consistent with a zero period peak horizontal ground acceleration of 0.2 g.

The report has been prepared by the SSRT Committee, with myself as Chairman, and has the general approval of the entire Committee.

Respectfully submitted,

N. M. Newmark

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