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## Item C-5: Decay Heat Update (Rev. 1)

### DESCRIPTION

#### *Historical Background*

As identified in NUREG-0471,<sup>1</sup> this issue involved following the work of research groups in determining best estimate decay heat data and associated uncertainties for use in LOCA calculations.

#### *Safety Significance*

No significant change in public risk is attributed to this issue.

### CONCLUSION

In accordance with a DSI memorandum,<sup>2</sup> the staff has determined that the 1979 ANSI/ANS Standard 5.1<sup>3</sup> is technically acceptable and has allowed the use of this data to justify relaxation of non-required conservatisms in

current ECCS evaluation models.<sup>4</sup> In addition, the proposed ECCS rule change being developed by the staff will allow the use of this new data. Thus, this issue is a resolved Regulatory Impact issue.

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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 W. Minners from B. Sheron, "Generic Issues C-4, C-5, C-6," May 29, 1985. [8506100882]

<sup>3</sup> ANSI/ANS 5.1, "Decay Heat Power in Light Water Reactors," American National Standards Institute, 1979.

<sup>4</sup> SECY-83-472, "Emergency Core Cooling System Analysis Methods," U.S. Nuclear Regulatory Commission, November 17, 1983. [8401060169]

