



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001

November 17, 2003

Dr. William D. Travers
Executive Director for Operations
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: DRAFT FINAL REVISION 3 OF REGULATORY GUIDE 1.32, "CRITERIA FOR POWER SYSTEMS FOR NUCLEAR POWER PLANTS"

Dear Dr. Travers:

During the 507th meeting of the Advisory Committee on Reactor Safeguards, November 5-7, 2003, we met with representatives of the NRC staff to discuss the draft final Revision 3 of Regulatory Guide 1.32, "Criteria for Power Systems for Nuclear Power Plants." We also had the benefit of the documents referenced.

RECOMMENDATION

Revision 3 of Regulatory Guide 1.32 should be issued.

DISCUSSION

Revision 3 of Regulatory Guide 1.32 addresses an acceptable method for licensees to satisfy Criteria 17 and 18 of 10 CFR Part 50, Appendix A when designing, modifying, operating, testing, and documenting Class 1E power systems for nuclear power plants. This Guide endorses Institute of Electrical and Electronics Engineers (IEEE) Standard 308-2001, "Criteria for Class 1E Power Systems for Nuclear Power Generating Stations," with one exception. IEEE 308-2001 states that shared Class 1E (safety-related) power systems are permissible in multi-unit stations provided certain rigorous conditions for sharing are met. The staff took exception to sharing dc power systems because Regulatory Guide 1.81, "Shared Emergency and Shutdown Electric Systems for Multi-Unit Nuclear Power Plants," states that dc power systems in multi-unit nuclear power plants should not be shared. We agree with the staff's exception to IEEE Standard 308-2001.

Proposed Revision 3 of Regulatory Guide 1.32 was issued for public comment in May 2003 as Draft Regulatory Guide DG-1079. One comment was received and resolved satisfactorily by the staff. Revision 3 of Regulatory Guide 1.32 should be issued.

Sincerely,

/RA/

Mario V. Bonaca
ACRS Chairman

References:

1. Memorandum dated October 1, 2003, from Michael E. Mayfield, Office of Nuclear Regulatory Research, NRC, to Dr. John T. Larkins, Executive Director, ACRS, transmitting Regulatory Guide 1.32, Revision 3, "Criteria for Power Systems for Nuclear Power Plants," September 2003.
2. Institute of Electrical and Electronics Engineers (IEEE) Standard 308-2001, "Criteria for Class 1E Power Systems for Nuclear Power Generating Stations," published March 1, 2002.