

April 14, 1994

Mr. Jay Forster,
QES
170 Knowles Drive, Suit 200
LosGatos, CA 95030

SUBJECT: PAPERS FOR 1994 SESSIONS ON NUCLEAR POWER SYSTEMS

Dear Mr. Forster:

Members of the Instrumentation and Controls Branch, Office of NRR, would like to present two papers at the "1994 Sessions on Nuclear Power Systems (SNPS)" to be held in Norfolk, VA, from October 30 - November 5, 1994. The titles, authors' names, and abstract of the papers (including a disclaimer statement) are provided as Enclosure 1. Please forward us your preparation kit for the authors and details of your program schedule when available. If you need more information, please contact Subinoy Mazumdar of my staff. Subinoy can be reached on 301-504-2904.

Your very truly,

Original signed by:

Jared S. Wermiel, Chief
Instrumentation and Controls Branch
Division of Reactor and Controls
and Human Factors

Enclosure:
As stated

cc w/enclosure:
B. Boger

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CRITERIA FOR RETROFIT OF DIGITAL INSTRUMENTATION AND CONTROL SYSTEMS IN OPERATING NUCLEAR PLANTS

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Abstract - More and more operating nuclear plants are replacing analog instrumentation and control systems with digital systems. The United States Nuclear Regulatory Commission has established review criteria for evaluation of digital retrofits. This paper covers the salient features of these review criteria.

CRITERIA FOR DIGITAL INSTRUMENTATION AND CONTROL SYSTEMS FOR ADVANCED NUCLEAR PLANTS

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Washington, D.C. 20555

Abstract - The advanced light water nuclear plant designs developed by General Electric, Westinghouse, and ABB-Combustion Engineering utilize digital instrumentation and control systems. The United States Nuclear Regulatory Commission has established criteria for certification of these designs in accordance with the 10 CFR Part 52 licensing process. This paper covers the salient features of the NRC staff's review of digital instrumentation and controls for advanced reactors.

Disclaimer: These papers represent the authors' findings and opinions on the subject at the time of submission of the papers and does not necessarily represent NRC's position or requirements on the subject.