MCDONNELL DOUGLAS ASTRONAUTICS COMPANY .

ST. LOUIS DIVISION

Box 516, Saint Louis, Missouri 63166

24 November 1982

United States Nuclear Regulatory Commission Attn: R. J. Eckenrode Human Factors Engineering Branch Division of Human Factors Safety Washington, D.C. 20555

Dear Dick:

I really appreciated your effort in getting the annunciator sections of the NRC Control Room Design Reviews to me. I can't imagine how much time you saved me in making my literature review for EPRI complete.

It's interesting to see the same Human Engineering discrepancies (HEDs) appear over and over at each of the plants. This pattern is what led us to believe that a list of generic HEDs could be compiled from the literature, and that generic review procedures could be designed to identify these generic HEDs.

I've included a copy of the report I generated as a result of the data you sent and our present thinking concerning generic HEDs. Since this report is both preliminary and proprietary, I would appreciate it if you treated it as such.

Again, thank you very much and if there's anything I can do to help you, please do not hesitate to call.

Sincerely,

K. Lonigro Lead Engineer

JKL: jac

Enclosure.

MCDONNELL DOUGLAS