

UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

NRC. FDR.

JAN 1 7 1980

MEMORANDUM FOR: R. B. Minogue, Director, Office of Standards Development

Darrell G. Eisenhut, Acting Director, Division of Operating Reactors

SUBJECT:

FROM:

PROPOSED REGULATORY GUIDE 1.141 (REVISION 1) "CONTAINMENT ISOLATION PROVISIONS FOR FLUID SYSTEMS"

The subject Regulatory Guide has been approved by the ACRS and is currently being scheduled for RRRC action. As indicated to T. Scarbrough in our previous comments to the Reg. Guide, we agree that a high radiation signal should be used for automatic containment isolation (Section C.4 of the Reg. Guide). There are persuasive arguments to support this requirement in assuring diverse isolation signals for various accident scenarios, some of which are discussed in NUREG-0578 (Lessons Learned) on pages A-13 through A-15. Further, we believe that this requirement should be imposed on operating plants as discussed with T. Scarbrough.

The purpose of this memorandum is to advise you that we currently have a generic program - B-24, "Venting and Purging Containments While at Power and Effects on LOCA," a part of which requires diversity in containment isolation signals. Many plants have high radiation as an isolation signal; however, it is not common to have the associated instrumentation safety-grade. We, therefore, will rely on the action of the RRRC on Reg. Guide 1.141 as justification for requiring safety grade equipment. We are so noting in each safety evaluation; and, upon approval from the RRRC, we will go back and send a formal requirement to licensees.

Elever fr Darrell G. Eisenhut, Acting Director

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