



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, D. C. 20555

September 16, 1981

ACRS
R-0942

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Mr. William J. Dircks
Executive Director for Operations
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: POST ACCIDENT INERTING SYSTEM

Dear Mr. Dircks:

During its 257th meeting September 10-12, 1981, the ACRS heard a presentation on the post accident inerting system (PAIS) proposed as a means of combustible gas control for the Allens Creek Plant in the event of a severe core damage accident.

As a result of the presentation, the Committee concluded that there are a number of questions that remain to be addressed concerning the design bases of the PAIS including, but not limited to, hydrogen source term design criteria, system actuation criteria (including inadvertent actuation), containment pressurization, and equipment survivability.

The ACRS desires to review the proposed design of this system before it is approved by the NRC Staff or other means of hydrogen control are precluded.

Consideration of this matter by the Committee should be factored into proposed staff scheduling of ACRS project reviews.

Sincerely,

R. F. Fraley
Executive Director, ACRS

cc: S. Chilk, SECY
H. Denton, NRR
C. Moon, NRR
D. Eisenhut, NRR
R. Tedesco, NRR
ACRS Members

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