



Department of Energy
Clinch River Breeder Reactor
Plant Project Office
P.O. Box U
Oak Ridge, Tennessee 37830

Docket No. 50-537

File: 05.10

February 16, 1979

Mr. Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

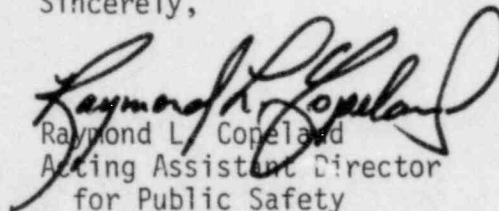
Dear Mr. Boyd:

TOPICAL REPORT ON HCDA'S

Enclosed are seventy (70) copies of CRBRP-GEFR-00103, "An Analysis of Hypothetical Core Disruptive Events in the Clinch River Breeder Reactor Plant." This report is a major reference to CRBRP-3, Vol. 1, "Energetics and Structural Margin Beyond the Design Base," which was submitted to you on February 9, 1979.

This report provides evaluations that show if HCDA's are assumed to occur, they are expected to be non-energetic. Additionally, conservative evaluations are provided which define a rational envelope for energetic events and specify the mechanical work source for the Structural Margin Beyond the Design Base evaluations.

Sincerely,


Raymond L. Copeland
Acting Assistant Director
for Public Safety

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