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RECIP.NAME RECIPIENT AFFILIATION
PAULSON,W.A. Operating Reactors Branch 5

SUBJECT: Forwards responses to NRC questions re 840402 application for amend to License DPR-18.Response provides statement whether spent fuel pool liner would be perforated as result of failure of bottom plate welds.

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August 27, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. Walter A. Paulson, Acting Chief
Operating Reactors Branch No. 5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Responses to NRC Staff Questions
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Paulson:

Attached are responses to NRC Staff questions concerning our Application for Amendment to Operating License of April 2, 1984.

Very truly yours,

Roger W. Kober

Roger W. Kober

Attachment

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Question: Your submittal indicates that dropping a fuel assembly within a storage cell could cause the bottom plate welds to fail. Please provide a statement as to whether the spent fuel pool liner would be perforated as a result of this accident.

Response: We have determined the fuel assembly velocity required to perforate the stainless steel liner using methodology developed for tornado missile impact analysis. Using the submerged weight of a fuel assembly dropped from 30 inches above the top of the rack, but neglecting all drag forces due to water or impact with cell walls or bottom plate, the velocity of the fuel assembly on impact is not sufficient to perforate the liner.