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 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
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 MURLEY,T.E. Document Control Branch (Document Control Desk)

SUBJECT: Provides addl info on reduced temp & pressure program,per  
 890303 discussion w/NRC.

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AEP:NRG:1067C

Donald C. Cook Nuclear Plant Unit 1  
Docket No. 50-315  
License No. DPR-58  
UNIT 1 RTP PROGRAM: ADDITIONAL INFORMATION ON  
CONTAINMENT STRUCTURAL ANALYSIS

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Attn: T. E. Murley

March 14, 1989

Dear Dr. Murley:

This letter provides additional information on the Reduced Temperature and Pressure (RTP) Program for Donald C. Cook Nuclear Plant Unit 1, as requested by your staff during a discussion on March 3, 1989.

Our letter AEP:NRG:1067 dated October 14, 1988 transmitted analyses performed by Westinghouse Electric Corporation to support the upcoming Unit 1 Cycle 11 under RTP conditions. As discussed on Page 2 of Attachment 2 of AEP:NRG:1067, the Westinghouse analysis of containment subcompartment pressures resulting from a LOCA predicted pressures in excess of the containment design pressures stated in the FSAR (reference Unit 1 Updated FSAR Table 14.3.4-30). AEP:NRG:1067 stated that we were evaluating the containment structure to ensure it could withstand the increased pressures. The analyses have been completed and have confirmed the adequacy of the containment subcompartments for the RTP conditions. The acceptance criteria used in the evaluation of the containment subcompartment structural elements subjected to the RTP conditions are those of Section 5.2.2.3 of the updated FSAR titled, "Containment Design Stress Criteria."

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,

A handwritten signature in dark ink, appearing to read 'M. P. Alexich', written over a horizontal line.

M. P. Alexich  
Vice President

A001  
11

Dr. T. E. Murley

-2-

AEP:NRC:1067C

ldp

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