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ALEXICH, M. P. Indiana & Michigan Electric Co.
RECIP. NAME RECIPIENT AFFILIATION
DENTON, H. R. Document Control Branch (Document Control Desk)

SUBJECT: Responds to NRC 870304 request for addl info re util 860228 proposed deletion of Tech Spec 3/4.6.2.2, "Spray Additive Sys". Table re containment spray drop characteristics encl.

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April 2, 1987
AEP:NRC:0914D

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
ADDITIONAL INFORMATION RELATED TO APPLICATION
FOR SPRAY ADDITIVE TANK TECHNICAL SPECIFICATION
CHANGE REQUEST

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

Attn: H. R. Denton

References:
1. Letter, M. P. Alexich (I&MECo) to H. R. Denton (NRC), dated February 28, 1986 (Identifier AEP:NRC:0914C).
2. Letter, D. L. Wigginton (NRC) to John E. Dolan (I&MECo), dated March 4, 1987.
3. WCAP 11020, "Spray Additive Tank Deletion Analysis for the Donald C.Cook Nuclear Plant Units 1 and 2," December 1985.

Dear Mr. Denton:

This letter responds to your staff's request (Ref. 2) for additional information related to our proposal (Ref. 1) to delete Technical Specification 3/4.6.2.2 (Spray Additive System) from the D. C. Cook Units 1 and 2 Technical Specifications. Specifically, we were asked to supply additional information concerning containment spray drop characteristics, as modeled in the Westinghouse Electric Corporation analysis (Ref. 3) which was submitted in support of the proposed Technical Specification change. The information requested has been obtained from Westinghouse Electric Corporation and is contained in the attached table.

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

Very truly yours,

M. P. Alexich
Vice President

cm

Attachment

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
G. Bruchmann
R. C. Callen
G. Charnoff
C. Swist
NRC Resident Inspector - Bridgman
A. B. Davis, NRC Region III

Spray Droplet Characteristics Assumed in WCAP 11020

Upper Containment

Spray Fall Height	85 feet
Average Drop Size (mass mean diameter)	1110 microns
Fall Time	6.5 seconds

Lower Containment

Spray Fall Height	50 feet
Average Drop Size (mass mean diameter)	1070 microns
Fall Time	4.3 seconds

Ice Bed

Not assumed to be sprayed