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 AUTH. NAME: AUTHOR AFFILIATION
 HUNTER, R.S. Indiana & Michigan Electric Co.
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 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Provides description of containment water level sys, per
 810108 ltr commitment.

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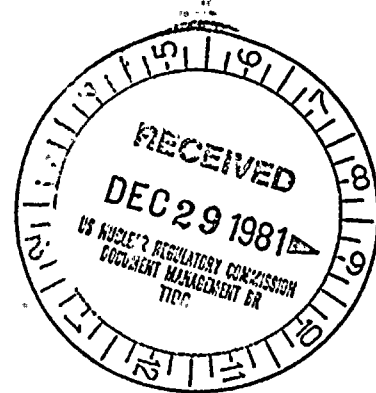
INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

December 23, 1981
AEP:NRC:0628

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
NUREG 0737 ITEM II.F.1.5; CONTAINMENT WATER LEVEL

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555




Dear Mr. Denton:

The attachment to this letter contains a description of the Containment Water Level System installed in the D. C. Cook Nuclear Plant (Item II.F.1, Attachment 5 of NUREG-0737). This information is being submitted in fulfillment of our commitment contained in our January 8, 1981 letter (AEP:NRC:0398).

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,


R. S. Hunter
Vice President

RSH/os

cc: John E. Dolan - Columbus
R. W. Jurgensen
D. V. Shaller - Bridgman
R. C. Callen
G. Charnoff
Joe Williams, Jr.
NRC Resident Inspector at Cook Plant - Bridgman

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Attachment to AEP:NRC:0628

Containment Water Level

The Containment Water Level monitor consists of two redundant narrow range channels and two redundant wide range channels as shown on Figure 1 of this Attachment.

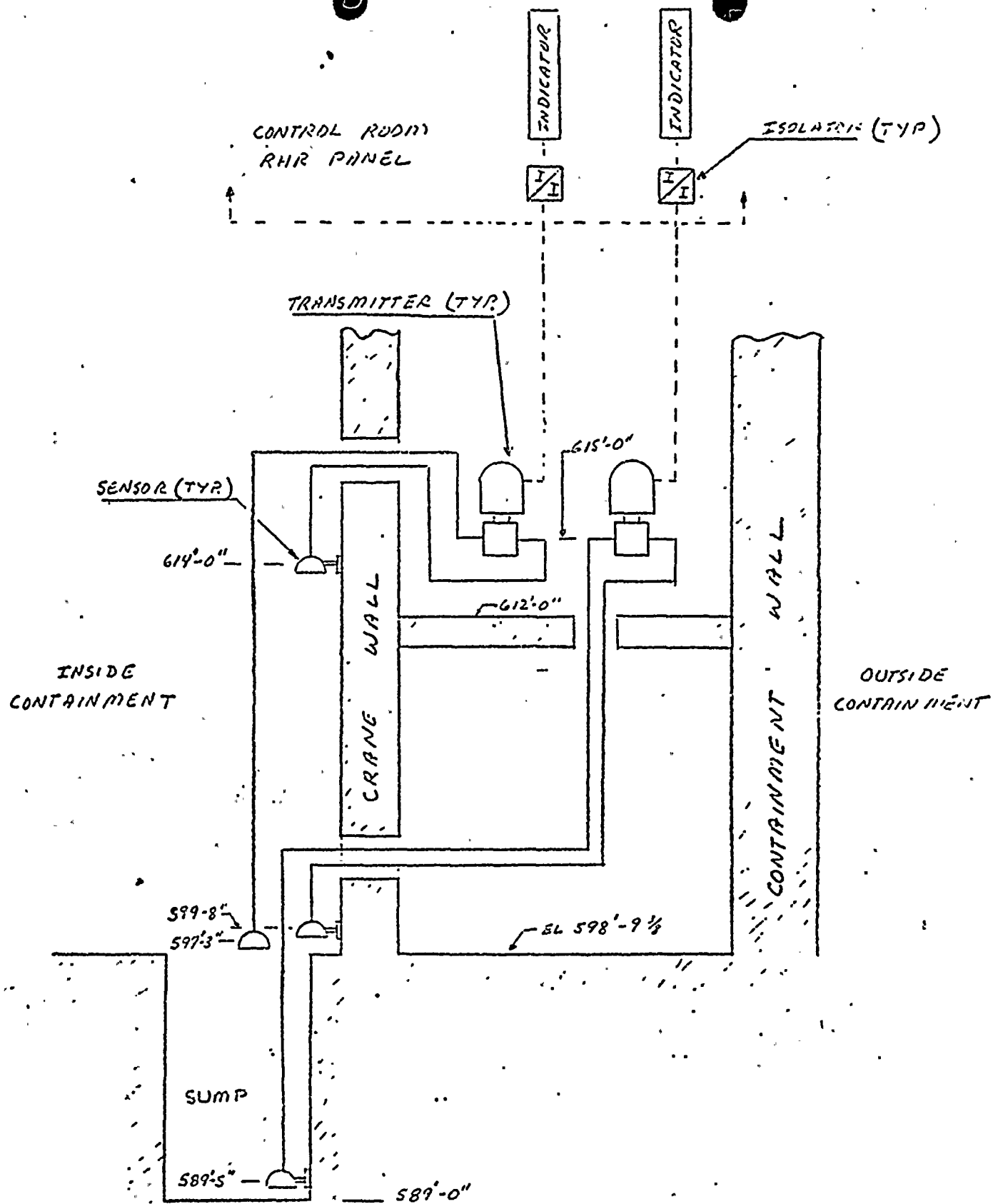
The narrow range channels would indicate the water level in the containment sump from elevation 589'-5" to elevation 599'-8". The wide range channels would indicate the water level in the containment from elevation 599'-3" to elevation 614'-0". These wide range channels would indicate more than 600,000 gallons of water. There is a five inch overlap between the narrow and wide range channels.

The differential pressure transmitters used to monitor Containment Water Level are located behind the crane wall at an elevation of 615'-0". This elevation is above the flood-up level. They transmit signals to indicators located on the RHR panel in the control room (see Figure No. 1 of this Attachment).

All channels were designed to meet the requirements of Appendix B to NUREG-0737. The transmitters are qualified to IEEE-323-1971 and IEEE-344-1975. In addition, these transmitters are currently undergoing a type test qualification by ITT Barton to IEEE-323-1974.



7



POST ACCIDENT CONTAINMENT AND CONTAINMENT SUMP
WATER LEVEL INDICATING SYSTEM

FIGURE 1

