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 MARTIN, J.B. Region 5, Ofc of the Director

SUBJECT: Informs of plans to fund study of sampling sys in spring of 1989 re position on iodine plate-out.

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December 14, 1987
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J.B. Martin
Regional Administrator
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596


Subject: NUCLEAR PLANT NO. 2
POSITION ON IODINE PLATE-OUT

- References:
- (a) Unresolved Item 04 from I & E Inspection Report 85-20, dated 6/13/85.
 - (b) G02-86-347, 6/27/85 GC Sorensen (Supply System) to JB Martin, "WNP-2 Position on Iodine Plate-Out"
 - (c) Letter, FA Wenslawski to GC Sorensen, NRC Inspection Finding Related to NUREG-037, Item II.F.1, dated 4/14/86.
 - (d) G02-87-136, 4/15/87, GC Sorensen (Supply System) to JB Martin, "WNP-2 Position on Iodine Plate-Out".
 - (e) Letter, Larry J. Coe (SAIC) to Loren Sharp (Supply System) dated 6/5/87, "Generic Iodine Sampling and Plate-Out Study".

In Reference (a), the NRC requested additional information on the Supply System's evaluation of iodine plate-out potential in the WNP-2 post-LOCA effluent sampler. Additionally, in a separate communication, Mr. G. Yuhas of your staff requested additional information on REA-SR-48. Accordingly, the requested information was supplied by the Supply System in Reference (b). Subsequently, we reviewed your response, Reference (c) and supplied additional information and background for our position per Reference (d). In subsequent communications with your staff, Supply System agreed to participate in a jointly-funded utility generic study on iodine sampling and plate-out by SAIC. The generic study was to determine more definite design guidance on line-loss variables and their impact on sample representivity. Our participation in the generic study was to assist in the research activities related to the iodine plate-out issue in an attempt to resolve the unresolved audit item without implementing any unnecessary WNP-2 modifications. Per Reference (e) the Supply System was notified that the generic study was cancelled due to lack of utility participation.

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As stated in Reference (d) WNP-2 is still technically satisfied with our effluent sampling system. The Supply System has implemented a defense in depth concept at WNP-2 that should either eliminate or prevent almost all plateable iodine from reaching the elevated release duct. The Supply System still considers any modifications at this point to be unnecessary and without sufficient technical merit or justification. We are currently planning on funding a plant specific study in the spring of 1989 to be performed by SAIC to further quantify and aid in evaluation of our sampling system. The results of this study will provide further technical support for our position or will point out areas when modifications are needed to provide a technically sound resolution of this open item.



G.C. Sorensen, Mail Drop 280
Manager-Regulatory Programs

GCS/LDS/jhd

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