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August 26, 1986

Re: Indian Point Unit No. 2
Docket No. 50-247

Mr. Steven A. Varga
PWR Project Directorate # 3
Division of PWR Licensing - A
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

- Reference:
1. NRC Generic Letter 83-35 from D.G. Eisenhut, "Clarification of TMI Action Plant Item II.K.3.31," November 2, 1983
 2. L.D. Butterfield letter to J. Lyons, "Westinghouse Owners Group Transmittal of WCAP-11145," OG-190, June 11, 1986

Dear Mr. Varga,

TMI Action Plan Item II.K.3.31 requires the submittal of a plant specific analysis utilizing the new NRC approved NOTRUMP Small Break LOCA (SBLOCA) Evaluation Model (EM). In Reference (1), the NRC Staff indicated that the resolution of TMI Action Plan Item II.K.3.31 may be accomplished by generic analyses to demonstrate that the previous NRC approved WFLASH SBLOCA EM results were conservative when compared with the new NOTRUMP SBLOCA EM. Such generic studies were undertaken by the Westinghouse Owners Group (WOG) of which Consolidated Edison Company of New York (Con Edison) is a participating member. The WOG has completed these generic studies and has submitted the results of the analyses to the NRC in the topical report WCAP-11145 (Reference 2). The purpose of this letter is to inform you that Con Edison is referencing topical report WCAP-11145 in order to satisfy the requirements of TMI Action Item II.K.3.31 for Indian Point Unit No. 2 (IP-2), in a generic fashion, in accordance with Reference 1.

Topical report WCAP-11145 documents the results of a series of SBLOCA analyses performed with the NOTRUMP SBLOCA EM. A spectrum of cold break sizes were analyzed for the limiting SBLOCA plant from each of the Westinghouse 4-loop, 4-loop Upper Head Injection (UHI), 3-loop, and 2-loop plant categories. The limiting SBLOCA plant in each category was defined on the basis of previous SBLOCA analyses which were performed with the WFLASH SBLOCA EM. In addition to the cold leg break spectrums, a hot leg and pump suction break were performed as part of the 4-loop plant analyses, confirming that the cold leg was still the worst break location.

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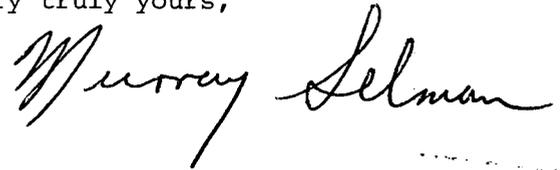
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Comparison of the NOTRUMP cold leg break spectrum results with the previously generated WFLASH results, showed that the WFLASH results were conservative for all plant categories. In particular, the results for the 4-loop plant category which covers IP-2 showed that the NOTRUMP SBLOCA EM calculated a limiting Peak Clad Temperature (PCT) which was 537° F lower than that previously calculated by the WFLASH SBLOCA EM.

The generic results, documented in WCAP-11145, demonstrate that a plant specific reanalysis of the 4-loop IP-2 plant with the NOTRUMP SBLOCA EM would result in the calculation of a limiting PCT which would be significantly lower than the 1380°F PCT currently calculated in the FSAR with the WFLASH SBLOCA EM. Hence, the WFLASH SBLOCA EM results, which currently form the licensing basis for IP-2 are conservative and still valid for demonstrating the adequacy of the Emergency Core Cooling System to mitigate the consequences of a SBLOCA, as required by 10CFR50.46. It is therefore concluded that a plant specific analysis is not needed in order to comply with TMI Action Item II.K.3.31. Rather, Con Edison references WCAP-11145 in order to comply with TMI Action Item II.K.3.31 on a generic basis, in accordance with Reference 1.

If there are any further questions in this matter, please contact us.

Very truly yours,



cc: MaryLee Slosson, Project Manager
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