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Docket No. 50-461

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

Subject: Clinton Power Station
Response to Generic Letter 88-20, Supplement 1

Dear Sir:

This letter is in response to Generic Letter (GL) 88-20, Supplement 1, "Initiation of the Individual Plant Examination for Severe Accident Vulnerabilities". In letter U-601549 dated October 27, 1989, Illinois Power (IP) committed to perform an Individual Plant Examination (IPE) on Clinton Power Station (CPS) and provide the results by September, 1992. The results of the IPE are forwarded as the attachment to this letter.

The IPE was conducted as described in IP letter U-601549, as a level 1 Probabilistic Risk Assessment (PRA) with containment analysis in accordance with Appendix A to NUREG-1335 "Individual Plant Examination Submittal Guidance". The attached report is structured as specified in NUREG-1335. Additional second-tier documentation of the methods, models and data used to perform the IPE is available for future use and audit by the Nuclear Regulatory Commission (NRC).

The IPE results show that the analyzed frequency of core damage events F_{CD} : CPS is $2.6E-5$ events per reactor year, and that the expected frequency of release from the containment is $1.3E-6$ per reactor year, including small and scrubbed releases. The expected frequency of major release from the containment is $4.8E-8$ per reactor year.

The CPS IPE results are not significantly different from the preliminary results reported to the NRC during the meeting with the domestic DWR-6 plants on May 20, 1992. CPS is available to meet with the NRC to discuss any questions on the results or the process employed.

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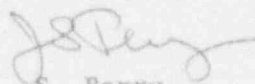
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IP intends to maintain the risk assessment models consistent with the plant configuration and apply the PRA as a management tool and is still evaluating potential future applications.

I hereby affirm that the information in this letter is correct to the best of my knowledge.

Sincerely yours,


J. S. Perry
Senior Vice President

WSI/msh

cc: NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety
Nuclear Management and Resources Council