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John G. Cook
Vice President
U-602495
L30-95(09 -27)LP
8G.120
JGC-398-95
September 27, 1995

Docket No. 50-461

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

Subject: Illinois Power's (IP's) Submittal of the Individual Plant Examination for External Events (IPEEE) for Generic Letter 88-20, "Individual Plant Examination for External Events (IPEEE) for Severe Accident Vulnerabilities - 10CFR50.54(f)"

Dear Sir:

By letter dated December 18, 1991 (U-601911), Clinton Power Station (CPS) committed to provide the NRC the IPEEE results by September 1995. The IPEEE was conducted as described in the above letter. The results of the IPEEE are forwarded as Attachment 2 to this letter.

Seismic events were evaluated by using Electric Power Research Institute (EPRI) Seismic Margins Assessment (SMA). Results of the seismic evaluation determined that CPS is capable of attaining safe shutdown conditions after a review level earthquake with peak ground accelerations of 0.3g, which is a larger magnitude than the design basis earthquake. Therefore, no plant improvements in this area are needed.

Fire events were evaluated with the fire Probabilistic Risk Assessment (PRA) method described in EPRI report 3385-01, "Fire Risk Analysis Implementation Guide," Draft Report, January 1994. The estimated core damage frequency from internal fires is $3.3E-6$ events per year. This estimate takes credit for Thermo-Lag 330-1 improvements to be made during the sixth refueling outage (RF-6). No additional improvements are being proposed as a result of the fire PRA.

Other Hazards - tornadoes, high winds, external flooding, nearby facility accidents and transportation accidents were re-evaluated against the Standard Review Plan (SRP) requirements regarding these hazards. This review concluded that CPS meets the SRP requirements regarding these hazards and therefore the risk from such events is acceptably low.

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ACH

Attachment 1 provides an affidavit supporting the facts set forth in this letter.

Sincerely yours,



J. G. Cook
Vice President

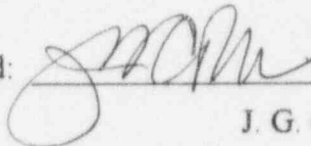
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Attachments

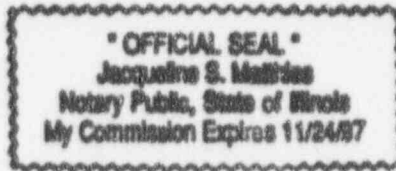
cc: NRC Clinton Licensing Project Manager
NRC Resident Office, V-690
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety

J. G. Cook, being first duly sworn, deposes and says: That he is Vice President of the Nuclear Program at Illinois Power; that this letter supplying information for Generic Letter 88-20 has been prepared under his supervision and direction; that he knows the contents thereof; and that to the best of his knowledge and belief said letter and the facts contained therein are true and correct.

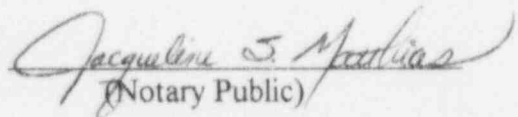
Date: This 27 day of September 1995.

Signed: 
J. G. Cook

STATE OF ILLINOIS } SS.
 }
Dewitt COUNTY }



Subscribed and sworn to before me this 27th day of September 1995.


(Notary Public)