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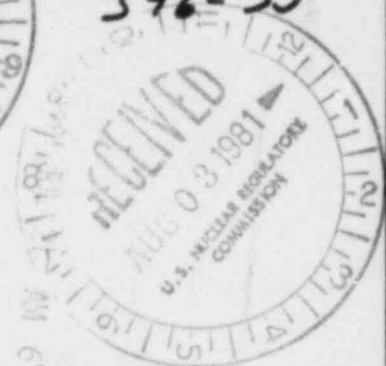
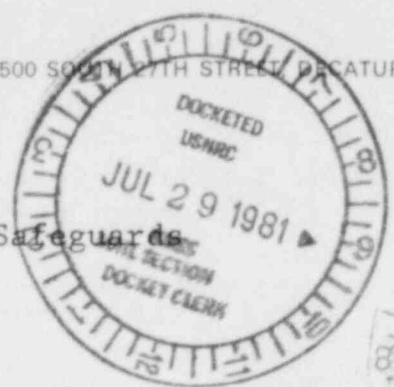
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ILLINOIS POWER COMPANY



500 SOUTH 7TH STREET, PECA... ILLINOIS 62525

Mr. Richard E. Cunningham
Director, Division of Fuel Cycle
and Material Safety
Office of Nuclear Material Safety & Safeguards
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Dear Mr. Cunningham:

Clinton Power Station Unit 1
Docket No. 50-461
SNM License Application

On behalf of Illinois Power Company, Soyland Power Cooperative, Inc., and Western Illinois Power Cooperative, Inc. application is hereby made for a license to authorize the receipt, possession, and storage of unirradiated fuel assemblies and associated radioactive material for eventual use in Clinton Power Station, Reactor Unit 1. This application is being made pursuant to the requirements of Title 10, Code of Federal Regulations Part 70 plus Parts 30 and 40, as applicable.

It is requested that this license begin May 1, 1982 and remain in effect until such time as it may be incorporated into the permanent operating license. This license is to apply to a) special nuclear material in nuclear fuel and b) by-product material in neutron sources:

- a) Nuclear Fuel consists of unirradiated fuel assemblies containing uranium enriched in the U-235 isotope. It is requested that this license authorize the possession of not more than 2,036 kilograms U-235 at a maximum enrichment of 3.0% U-235.
- b) Neutron Sources contain the Sb-124 isotope which emits high energy gamma radiation which, when the Sb is enclosed within a beryllium sleeve, reacts with the beryllium to produce the needed neutrons. It is requested that this license authorize the possession of not more than 30,000 curies of Sb-124.

In addition to one signed original, seven copies of this application are also submitted.

Sincerely yours,

[Signature]
L. J. Koch
Vice President

GSG/lr
Enclosures



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