AMENDMENT NO. 2

TO

LICENSE APPLICATION

FOR

SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR (SEFOR)

Re: Docket 50-231

File Copy

General Electric Company
Advanced Products Operation
175 Curtner Avenue
San Jose, California

ACKNOWLEDGED

AMENDMENT NO. 2
TO
LICENSE APPLICATION
FOR
SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR (SEFOR)

General Electric Company filed an Application for Construction Permit and Operating License for the Southwest Experimental Fast Oxide Reactor (SEFOR).

General Electric hereby amends its application to include additional information concerning financial qualifications of Southwest Atomic Energy Associates and Gesellschaft by the submission of revised pages 4 and 5 and information referenced therein, dated April 19, 1965 which thereby supersede the same numbered pages of the application dated October 16, 1964.

GENERAL ELECTRIC COMPANY
ADVANCED PRODUCTS OPERATION

By Karl Cohen
Karl Cohen, General Manager

Attest:

Jules Pearlman
Attesting Secretary

Subscribed and sworn to before me this 19TH day of APRIL, 1965.

F. E. Lord
Notary Public in and for the County of Santa Clara, State of California.

F. E. LORD
My Commission Expires Sept. 5, 1968

50-231-a

health and safety. The Hazards Summary Report will be amended in the future to provide any additional technical information which may be necessary to enable the Commission to exercise its licensing judgment.

4. Class of License Applied for and Term of License

Applicants request the issuance of a Section 104 (b) construction permit and operating license. Applicants request that the operating license be issued for an initial term of ten years.

5. Other Licenses

Applicants further request such source, special nuclear, and by-product material licenses as may be necessary to the construction and operation of SEFOR.

6. Estimated Construction Cost and Financial Qualifications

Applicants estimate the cost of constructing SEFOR at $12,400,000. Of the estimated sum, SAEA will provide a maximum of $5,900,000, Gesellschaft, acting for itself and Euratom, will contribute a maximum of $5,000,000, and General Electric will provide all additional funds required for completion of construction.

General Electric's financial qualifications and the Commission's findings thereon are of record in Commission Docket No. 50-183. A copy of General Electric's latest Annual Report was submitted to the Commission on *April 12, 1965*.

*The financial qualifications of SAEA are evidenced by the agreement among the member utilities of SAEA dated July 22, 1963 and the financial statements of the member utilities, copies of which are attached hereto as Exhibit "C". - See Reports file

The financial qualifications of Gesellschaft are evidenced by the attached Declaration of the Federal Republic of Germany.*

7. Technical Qualifications

(a) A general description of technical qualifications of General Electric, which will construct and operate SEFOR, is set forth in the license application in Docket 50-183. General Electric further submits that it has engaged in a number of projects commencing in 1947 which are related to the design, construction, and operation of sodium-cooled reactors. There are approximately 250 engineers and scientists in the employ of General Electric's Atomic Power Equipment Department who have direct experience in sodium-cooled reactors and related equipment. The qualifications of three such employees who will have primary responsibilities concerning the design or construction of SEFOR are as follows:

Dr. Karl Paley Cohen,*General Manager, Advanced Products Operation*

Dr. Cohen received his B.A. degree in 1933, his M.A. degree in 1934, and his PhD in Physical Chemistry in 1936. All degrees were received from Columbia University. Dr. Cohen, who was born in New York City, New York, is now residing in Palo Alto, California.

Dr. Cohen is a 25-year veteran in the atomic field. He was assistant to Professor H.C. Urey of Columbia University from 1938 to 1940, and was one of the pioneers in the early