

Received w/Ltr Dated 5/16/69

AMENDMENT NO. 30
TO
LICENSE APPLICATION
FOR
SOUTHWEST EXPERIMENTAL
FAST OXIDE REACTOR (SEFOR)



Regulatory File Cy.
RE: DOCKET 50-231

RETURN TO REGULATORY CENTRAL FILES
ROOM 016



REGULATORY DOCKET FILE

GENERAL ELECTRIC COMPANY
BREEDER REACTOR DEVELOPMENT OPERATION
310 DE GUIGNE DRIVE
SUNNYVALE, CALIFORNIA

AMENDMENT NO. 30
TO
LICENSE APPLICATION
FOR
SOUTHWEST EXPERIMENTAL
FAST OXIDE REACTOR (SEFOR)

As authorized by Provisional Operating License DR-15, Docket 50-231, initial operation of the SEFOR reactor is in progress. An amendment to the operating license allowing an increase in reactor power from 1 MW(t) to the nominal design value of 20 MW(t) is currently under consideration. General Electric hereby withdraws the request made in Amendment No. 29 to possess and use up to 10 milligram quantities of Curium-244 and up to 10 millicurie quantities of Barium-Lanthanum-140. A summary of the sources requested in Amendment No. 29 and modified by this Amendment No. 30 is given below.

<u>Source</u>	<u>Maximum Quantity</u> (millicuries)	<u>Type</u>	<u>Chemical Form</u>
Krypton-85	10	Gas	Gas
Iodine-131	10	Liquid	Sodium Iodide, 0.1 Normal
Xenon-133	10	Gas	Gas
Cesium-137	10	Liquid	HCL, 0.1 Normal

These sources will be obtained from Tracerlab, ORNL or equivalent standard radiochemical supplier and will be contained in sealed containers. All sources will be received in accordance with standard health physics procedures, and will be used under the direct supervision of the SEFOR Specialist - Radiation and Industrial Safety or the designated alternate. The sources will be employed in the Health Physics Laboratory of the facility or other radiation controlled zones. The SEFOR Radiation and Industrial Safety Manual specifies the designation of radiation zones. Appropriate instrumentation is available at

the site for monitoring as well as personnel dosimetry (this includes beta-gamma survey meters, CP ionization chambers, film badges and dosimeters). Exposure to individuals will be maintained below the levels specified in the SEFOR Radiation and Industrial Safety Manual as well as the levels specified in the Code of Federal Regulations Title 10 Part 20 (10CFR 20). Records will be kept of exposure as required by these documents.

GENERAL ELECTRIC COMPANY
BREEDER REACTOR DEVELOPMENT
OPERATION

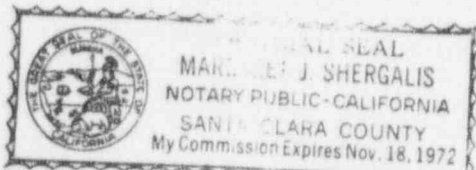
By Karl Cohen
Karl Cohen, General Manager

Subscribed and sworn to before me this 15th day of May, 1969.

Margaret J. Shergalis

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

My Commission expires: Nov 18, 1972



20526 Lynde Court, Saratoga, Calif. 95070