

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-231

GENERAL ELECTRIC COMPANY

AND

SOUTHWEST ATOMIC ENERGY ASSOCIATES

NOTICE OF ISSUANCE OF AMENDMENT TO PROVISIONAL OPERATING LICENSE

No request for a hearing or petition to intervene having been filed following publication of the notice of proposed action in the Federal Register on August 26, 1969 (34 FR 13675), the Atomic Energy Commission (The Commission) has issued, effective as of the date of issuance, Amendment No. 1 to Provisional Operating License No. DR-15 as proposed in that notice. The license, as previously issued, authorizes the General Electric Company (General Electric) and Southwest Atomic Energy Associates (SAEA), with General Electric acting for itself and for SAEA, to possess, use and operate the plutonia-urania-fueled, fast spectrum, sodium-cooled experimental reactor at power levels up to 1 megawatt thermal. The reactor, known as the Southwest Experimental Fast Oxide Reactor (SEFOR), is located in Cove Creek Township, Washington County, Arkansas, approximately 19 miles southwest of Fayetteville, Arkansas. The amendment authorizes (1) the operation of the reactor at steady-state power levels up to a maximum of 20 megawatts thermal and in the pulsed mode of operations, in accordance with the revised technical specifications and (2) the receipt, possession and use of up to 10 millicuries each of Krypton-85 Iodine-131, Xenon-133 and Cesium-137 in connection with the operation of the reactor. The technical specifications have been revised to provide that a licensed operator be

present at the plant at all times and to clarify the degree of supervision necessary during certain plant activities.

The Commission has found that the application for the provisional operating license amendment complies with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations published in 10 CFR, Chapter I. The Commission has made the findings which were set forth in the proposed amendment, and has concluded that the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public. A copy of the license amendment will be available for inspection at the Commission's Public Document Room, 1717 H Street, NW, Washington, D. C., or upon request addressed to the Atomic Energy Commission, Washington, D. C. 20545, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland this *2nd* day of *Jan*, 1970.

FOR THE ATOMIC ENERGY COMMISSION

Peter A. Morris

Peter A. Morris, Director
Division of Reactor Licensing