GENERAL ELECTRIC

NUCLEAR ENERGY BUSINESS OPERATIONS
GENERAL ELECTRIC COMPANY • VALLECITOS NUCLEAR CENTER • PLEASANTON, CALIFORNIA 94566

August 2, 1984

Cecil O. Thomas, Chief
Standardization and Special Project Branch
Office of Nuclear Material Safety and Safeguards
Nuclear Regulatory Commission
Washington, D.C. 20555

References: 1) License R-33, Docket 50-73.
2) Application for Renewal of License R-33; June 13, 1979.
3) Letter, C. O. Thomas to R. W. Darmitzel; June 1, 1984.

Dear Mr. Thomas:

Enclosed are revised proposed Technical Specifications for the Nuclear Test Reactor (NTR) as requested in your letter of June 1, 1984. Also enclosed is a proposed new license condition 2.B.

Sincerely,

G. E. Cunningham
Senior Licensing Engineer

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GENERAL ELECTRIC

AFFIRMATION

Nuclear Test Reactor License Renewal Information

To the best of my knowledge and belief, the information contained in the enclosed document is accurate.

R W Darmitzel

R. W. Darmitzel, Manager
Irradiation Processing Operation

Submitted and sworn before me this 6th day of August, 1984.

Christine Ariizumi, Notary Public, in and for the County of Alameda, State of California.

OFFICIAL SEAL
CHRISTINE ARIIZUMI
NOTARY PUBLIC - CALIFORNIA
ALAMEDA COUNTY
My comm. expires APR 2, 1985

PROPOSED LICENSE CONDITION

LICENSE R-33

2.B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the General Electric Company (GE):

(1) Pursuant to Section 104 c of the Atomic Energy Act of 1954, as amended (hereinafter "the Act"), and Title 10, CFR, Chapter I, Part 50, "Licensing of Production and Utilization Facilities", to possess, use and operate the reactor as a utilization facility at the designated location in Alameda County, California, in accordance with the procedures and limitations described in the application and in this license, as amended:

(2) Pursuant to the Act and Title 10, CFR, Chapter I, Part 70, "Special Nuclear Material", to receive, possess and use in connection with the operation of the reactor:

(a) 4 kilograms of contained U-235 as in-core reactor fuel;

(b) 100 grams of plutonium;

(c) 100 grams of U-233;

(d) 700 grams of contained U-235 or 1,500 grams of contained U-235 in uranium enriched in U-235 to less than 4%.

(e) The limits above may include the types of materials authorized by Special Nuclear Material License SNM-960, as amended, Docket No. 70-754, and Reactor License TR-1, as amended, Docket No. 50-70, to be used in the reactor cell, south cell, north room, and control room, but not in the experimental facilities of the NTR.

(3) Pursuant to the Act and Title 10, Chapter I, Part 30, "Rules of General Applicability to Licensing of Byproduct Material", (1) to receive, possess and use 200 Curies of either activated solids as contained in but not limited to such items as encapsulating materials, structural materials, and irradiated components or as contained materials; (2) any byproduct materials necessary for purposes of instrument calibration; (3) 10 Curies of tritium for pulsed neutron sources; and (4) to possess, but not to separate, such byproduct material as may be produced by the operation of the reactor.

(4) Pursuant to the Act and Title 10, CFR, Chapter I, Part 40, "Licensing of Source Material", to receive, possess and use 20 pounds of uranium and thorium as source material for experimental devices.