



Rensselaer

Department of Nuclear Engineering & Engineering Physics

April 25, 1991

50-225

Mr. Theodore Michaels
U.S. Nuclear Regulatory Commission
Mailstop 11-b-20
Washington, DC 20555

Dear Sir:

Please amend License CX-22 (Docket No. 50-225), Section 2.B.2 to:

- 2 Pursuant to the Act and 10 CFR Part 70, "Domestic Licensing of Special Nuclear Material," to receive, possess and use at any one time up to 25.92 kilograms of contained uranium-235 in SPERT (F-1) fuel pins and uranium fuel in the form of low enriched (<4.8 w/o) light water reactor type fuel of typical power reactor design, and up to 80 grams of plutonium encapsulated in plutonium-beryllium neutron sources, in connection with operation of the facility

In addition please amend Appendix A, Technical Specifications, Sections 5.4.2 and 5.4.3, to the text given in Attachment A.

In addition please amend Appendix A, Technical Specifications, Section 1.0.0 by deleting "(Core A or Core B)" from line 5.

Please note that when experimental fuel is not in use it will be stored in an approved sealed shipping container in the reactor room. Criticality and radiation analyses are carried out for this fuel in the shipping containers before delivery.

Sincerely,

Dr. Donald R. Harris, Director
Reactor Critical Facility (RCF)

jjd

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H. The receipt, possession and use of the byproduct and special nuclear materials as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30 and 70, including Sections 30.33, 70.23 and 70.31.

2. Facility Operating License No. CX-22 is hereby amended in its entirety to read as follows:

A. This license applies to the critical experiment facility owned by Rensselaer Polytechnic Institute (hereinafter RPI or the licensee). The facility is located in Schenectady, New York, and is described in the application dated May 14, 1979, as supplemented.

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the RPI:

1. Pursuant to Section 104c of the Act and 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," to possess, use and operate the facility as a utilization facility at the designated location in Schenectady, New York, in accordance with the procedures and limitations set forth in this license;

2. Pursuant to the Act and 10 CFR Part 70, "Domestic Licensing of Special Nuclear Material," to receive, possess and use at any one time up to 25.92 kilograms of contained uranium-235 in SPERT (F-1) fuel pins and in uranium fuel in the form of low enriched (<4.8 w/o) light water reactor type fuel of typical power reactor design, and up to 80 grams of plutonium encapsulated in plutonium-beryllium neutron sources, in connection with operation of the facility.

3. Pursuant to the Act and 10 CFR Part 40, "Domestic Licensing of Source Material," to receive, possess and use up to 6 kilograms of depleted uranium and 100 grams of normal uranium in connection with operation of the facility, and

4. Pursuant to the Act and 10 CFR Part 30, "Rule as of General Applicability to Domestic Licensing of Byproduct Materials" and Part 70, to possess, but not to separate, such byproduct and special nuclear materials as may be produced by the operation of the critical facility.

5. Delete. (This condition is deleted because it authorized possession of 21.12 kilograms of SPERT (F-1) fuel pins. This condition has now been included in License Condition No. 2.B.2).