



Rensselaer Polytechnic Institute Troy, New York 12181

September 12, 1979

Director, Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

RE: Rensselaer Polytechnic Institute  
Critical Experiments Facility  
License No. CX-22  
Locke No. 50-225  
Application for Renewal

Dear Sir:

Pursuant to the requirements of the Code of Federal Regulations, Title 10, Parts 30, 50, and 70, this application is forwarded by Rensselaer Polytechnic Institute for the renewal of Facility Operating License CX-22.

The following information is submitted in support of this application.

Applicant: Rensselaer Polytechnic Institute  
Address : Troy, New York 12181  
Business : Non-profit Educational Institution  
Incorporated in the State of New York  
Main campus in Troy, New York

President: George M. Low  
Troy, New York  
U. S. Citizen

Vice President  
and Provost : Harrison Shull  
Troy, New York  
U. S. Citizen

Board of Trustees:  
Chairman : Carl J. Thomsen  
Dallas, Texas  
U. S. Citizen

There is no ownership or administrative control of the Institute by any foreign government or organization.

The Institute is acting in its own behalf concerning this renewal application.

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License Class: 104  
Facility Use : Critical reactor experiments  
License Period  
Sought : to March 1, 2004  
Other Licenses: SNM-910

Financial Qualifications:

The Walthousen Laboratory is funded by Rensselaer Polytechnic Institute as a part of the Nuclear Engineering curriculum. The estimated annual costs for the Walthousen Laboratory amount to \$25,000. The estimated cost of eventual shutdown of the Facility, which will include demolition of the buildings and dismantling and removal of the reactor structures, is \$75,000 to \$100,000. Shutdown costs will be funded by RPI. Nuclear liability insurance is covered under contract with American Nuclear Insurers, Farmington, Ct.

Technical Qualifications:

The Critical Experiments Facility Staff:

Facility Director: Dr. Donald R. Harris, Associate Professor  
Nuclear Engineering  
Facility Supervisor: Mr. Peter R. Nelson, SRO License SOP-3062  
Facility Assistants: Richard P. Moerschell, SRO License SOP-3061  
Richard Sterner, Teaching Assistant

Nuclear Safety Review Board:

Chairman: Dr. Richard T. Lahey, Chairman  
Nuclear Engineering  
Members : Dr. Martin Becker, Professor  
Dr. Donald R. Harris, Associate Professor  
Dr. Bimal K. Malaviya, Professor  
Mr. John Tully, Research Associate  
Mr. Robert Ryan (Ex-officio)

Enclosed are the pertinent technical revisions in support of this application. These include:

1. Final Safety Analysis Report as required in 10CFR50.34(b).
2. Emergency Procedure for the L. David Walthousen Laboratory as required in 10CFR50.34(b)(6)(V).
3. Environmental Impact Appraisal as required in 10CFR50.30(F).
4. A rewrite of Section 6 of the Technical Specifications for License CX-22 in compliance with ANS 15.18.

Technical information required by the Code of Federal Regulations, Title 10,  
Part 50.34 has been previously submitted with License CX-22 as amended.

Sincerely yours,

*Harrison Shull*

Harrison Shull, Acting President  
Vice President and Provost  
Rensselaer Polytechnic Institute

*Jean O. McFalls*

JEAN O. McFALLS  
Notary Public State of New York  
Qualified in Rensselaer Court  
Commission Expires March 30, 1980  
Reg. #4604587

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Rensselaer Polytechnic Institute Troy, New York 12181

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Harrison Shull, Acting President  
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*Jean O. McFalls*

JEAN O. McFALLS  
Notary Public State of New York  
Qualified in Rensselaer County  
Commission Expires March 30, 1988  
Reg. #4604587

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