



Florida Institute  
of Technology

70-893

Administrative Services  
150 West University Boulevard  
Melbourne, FL 32901-6988  
(407) 768-8000, ext. 8125

November 7, 1990

Mr. Charles J. Haughmey, Chief  
Uranium Fuel Safety Branch  
Division of Industrial and Medical  
Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

This is in response to a number of telephone calls and correspondence between our organization and Mr. W. Scott Pennington and Mr. Amar Datta of N.R.C. It is intended to update you on the status of the sub-critical reactor and materials therein under D.O.E. Lease Agreement No. SNM-844 of November, 1978 currently in our possession.

Since mid-September we have also been talking and corresponding with Ms. Ann M. Lovell of the Business Operations Division, Department of Energy in Oak Ridge, Tennessee in attempts to expedite the removal and return of the nuclear fuel in our possession.

Ms. Lovell has been trying to get answers as to the procedures to follow and time table for the return of the nuclear materials from her headquarters. To date, she has been unsuccessful, but as of Friday 02 November 1990 she had contacted D.O.E. Headquarters as well as your Mr. Pennington to explain our sincere wish to expedite this matter.

We hope you appreciate our situation in trying to return this material in the shortest possible time and as we receive more information I will notify you through Mr. A. Datta.

Any assistance or suggestions that your office could offer would be greatly appreciated.

Cordially,

Robert S. Heidinger  
Director  
Administrative Services

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RSB:bb

NFIR

LEASE AGREEMENT QUESTIONNAIRE

Company or Agency: Florida Institute of Technology  
150 West University Blvd., Melbourne, FL 32901-6988

RIS: ZCF

Lease Number: SNM-844

DOE Contact Name: Ann M. Lovell, HEU Specialist  
DOE, Oak Ridge Operations  
Telephone/Address of Contact: P.O. Box 2001, Oak Ridge, TN 37831  
(615) 576-1619

Expiration: May 31, 1992

Quantity (in gms) U: U-235: 2,311 grams  
Pu : 15 grams

Assay: 19.85% of uranium dioxide is U-235; 93.02% of Pu-Be is Pu

Nature (Spent/Irradiated): U-235: subcritical assembly core  
Pu-Be: Plutonium-Berillium sealed neutron source

Form (Metal/Oxide): U-235: Uranium dioxide powder embedded in graphite  
Pu-Be: metal cylinder

Description (Cladding/Foil/Plates): No cladding:

Large cylinder U-235: contained in shielded steel drum

Small disks of U-235: contained in shielded steel drum along with Pu-Be cylinder

Uncladded large cylinder of U-235 is contained in shielded steel drum

Small disks of U-235 are contained in shielded steel drum along with Pu-Be source.

(See attached for additional description)

Terms of Lease: as stated in U.S. Nuclear Regulatory Commission License #SNM-849

Intent of Lessee (Renew contract or Return material): \_\_\_\_\_  
Return material as soon as possible

Name of Agency Contact: Ann Lovell

Telephone/Address of Contact: HEU Specialist  
DOE, Oak Ridge Operations  
P.O. Box 2001  
Oak Ridge, TN 37831

Element	QTY		Geometry	Dimensions		Form
	<u>Amt.</u>	<u>Item Count</u>		<u>Diam.</u>	<u>Height</u>	
U-235	2,311g	(1)	Cylinder	10 inches	1½ feet	(U-235) Uranium dioxide powder embedded in graphite, no cladding
Pu-Be	15g	(30)	Disks	1 inch	1 inch	(Pu-Be) metallic sealed source