



# Rensselaer

Office of Radiation and Nuclear Safety

December 2, 1992

Mr. John D. Kinneman, Chief  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Reference: Docket No. 70-00920

Gentlemen:

In response to the NRC Routine Inspection No. 70-00920/92-001 of September 15, 1992 the following information is being supplied. Rensselaer is in the process of surrendering its SNM-910 License by transferring the remaining special nuclear material to Rensselaer's New York State Health Department License #1035. This transfer is anticipated to be completed by December 4, 1992. This was made possible due to our efforts to reduce Rensselaer's inventory of licensed SNM to minimal quantities. Enclosed is correspondence to NYSHD dated November 11, 1992 requesting the amendment.

However in response to the violations listed in the NRC Inspection of September 15, 1992 No. 70-00920/92-001 please be advised that:

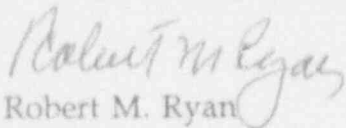
- A. Rensselaer is establishing an inventory/calibration procedure whereby all campus radiation surveillance instrumentation will be controlled by the Linear Accelerator Instrumentation Group. This should provide better quality control over the calibration frequency. This operational change will be completed by February 1, 1993.
- B. During the period in question the person responsible for performing these surveys was heavily involved in radioactive waste management on the campus and made a value judgement to complete the waste management function. The LINAC operation is a self-monitoring operation in that all accelerator operations, on a daily basis, utilize their own radiation survey meters and do their own radiation surveys. The facility also has its own area radiation monitoring system which alarms and reads out in the Accelerator Control Room.

Also note all other campus areas (non-SNM areas) were surveyed during the period in question.

The person responsible has been retrained in the responsibilities of meeting regulatory obligations.

I hope the above is acceptable. If further information is required, please contact me at (518) 276-4014.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert M. Ryan".

Robert M. Ryan  
Director

RMR:nr  
Enc.



# Rensselaer

November 11, 1992

Office of Radiation and Nuclear Safety

New York State Department of Health  
Bureau of Environmental Radiation Protection  
Radioactive Materials Section, Room 375  
2 University Place  
Albany, NY 12203

Attn: Rita Aldrich, Chief, Radioactive Materials Section

Reference: NYSDH Radioactive Material License #1035 Amendment

Gentlemen:

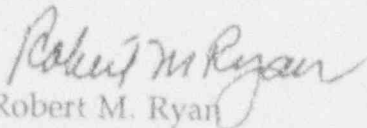
Please add the following radioactive materials (RAM) Table 1, to our NYSDH license. These RAM are at present at Rensselaer under a U.S. Nuclear Regulatory Commission (NRC) License SNM-910, the most recent copy of which is attached. The plutonium sources, Items B and C of Table 1, will be used in educational activities and calibrations. The plutonium source, Item D, is in a sealed nuclear accident dosimeter at the Rensselaer Critical Facility in Schenectady, New York. The remaining Item A, U235 is contained in radiation detectors and will be used in research activities at the Linear Electron Facility (The Gaertner Laboratory). Item E, U 233, is contained in encapsulated rods and awaiting disposal.

Items B, C, and D of Table 1 will probably be new line items of Item 6 of our existing NYSDH license and become 6 Q, R, and S.

Items A and D could very well fit under the existing Item 6C of our existing license as special nuclear material.

Thanking you in advance of your reply.

Sincerely,

  
Robert M. Ryan  
Director

RMR:nr

Attch. Without attachments

Table 1

## SNM Possession Limits

Isotope	Form	Quantity
Byproduct, source, and/or special nuclear material	Chemical and/or physical form	Maximum amount that license may possess at any one time under this license
A. Uranium U-235	Metal Encapsulated in stainless steel (detectors)	10 grams
B. Plutonium Pu-238	Encapsulated MRC #41	.21 grams
C. Plutonium Pu-239	M-89	14.86 grams
	MRC-350	47.30 grams
	965-S-55	96.37 grams
	Total	158.53 grams
D. Pu-239	Nuclear Accident Dosimeter (Foil)	1 gram
E. U-233	Encapsulated Test Specimens	3.43 grams