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# EMORY & HENRY COLLEGE

EMORY, VIRGINIA 24327

March 13, 1987

DEPARTMENT OF PHYSICS

U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, GA 30323

Dear Sir:

We want to amend our byproduct materials license, Number 45-04169-03, to include two new members of our science faculty who want to use some of the radiation sources. Dr. Sudhir Sen resigned from our science faculty in Summer 1986. Dr. Cecil M. Nelson will retire in June 1987 and all further correspondence should be directed to Dr. John A. Polo, Jr., Department of Physics.

Dr. John A. Polo, Jr., Assistant Professor of Physics, received his Ph.D. in physics at the University of Virginia. His training in theory and use of radioactive sources includes undergraduate and graduate courses in nuclear physics, two years in nuclear research at Chalk River, Canada and a one week course in the use of nuclear instrumentation and safety at Chalk River.

Dr. John R. Palisano, Assistant Professor of Biology, received his Ph.D. degree in biology from the University of Tennessee, Knoxville. He has had extensive experience using radioactive tracers in biological systems. He used radioactive tracers in a 5000 level Plant Physiology course. As a postdoctoral student at Oak Ridge, Tennessee, he worked on a collaborative study in which the intracellular localization of  $^{67}\text{Ga}$  in hepatoma cells was studied. In his previous job as director of the virology laboratory at St. Luke's Hospital in Cleveland, Ohio, he used  $^3\text{H}$ -thymidine to label bacteria in order to quantitate bacterial adherence to virally infected cells. He also used  $^{14}\text{C}$ -glucosamine to label glycoproteins of Herpes simplex virus so that he could localize them in polyacrylamide gels after isolating the glycoproteins.

Both Dr. Polo and Dr. Palisano should be added to Item 12 on our license: 12. Licensed material should be used by, or under the supervision and in the physical presence of, John A. Polo, Jr. or John R. Palisano. "Cecil M. Nelson or Sudhir Sen" should be deleted.

Thank you for your assistance.

Sincerely,

**FEE EXEMPT**

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CMN:bkp

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-Kerr
3/27/87

*Cecil M. Nelson*  
Cecil M. Nelson  
Professor of Physics

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