

# EMORY & HENRY COLLEGE

EMORY, VIRGINIA 24327 (703) 944-3121

July 10, 1985

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

Dear Sir:

We have Materials License 45-04169-03 for the possession and use of Cobalt 60 and Strontium 90 with expiration date of September 30, 1989. We wish to amend this license to change one faculty supervisor and to add the possession and use of Curium 244.

Dr. W. Thomas Yost has resigned from Emory & Henry College and has been replaced by Dr. Sudhir Sen. Dr. Sen was awarded a Ph.D. in nuclear physics from the University of Texas at Austin. He has used accelerated charged particles, beta, gamma, neutron and X ray sources at various universities during his teaching and research experiences. At the University of Wisconsin at Madison he had to pass a test showing the capability of handling radiation sources.

We want to amend our license to include permission to purchase 500 microcuries of Curium 244. This source is Model Number AFR-244 from Isotope Products Lab., 1800 N. Keystone St., Burbank, CA 91504. We will use this source for Rutherford scattering experiments and to study the properties of alpha radiation (absorption and energy). Dr. Sen is familiar with using this type source and Rutherford scattering apparatus at Notre Dame University.

I will be glad to furnish additional information if desired.

Sincerely,

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

*July -3 II*

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| Received By <i>Jacques</i> ..... |

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U.S. N.R.C.  
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see 8/23/85 ltr.*

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Rec'd 7/15/85*

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