

# Philip Morris USA

P.O. Box 26603, Richmond VA 23261

June 11, 2007

Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415  
Attention Farrah Gaskins

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REGION 1

SUBJECT: Application for new materials license

Dear Ms Gaskins:

This is a reply to your telephone questions concerning the materials license application from Philip Morris USA for a new research facility to be situated at 706 East Leigh Street, Richmond, Virginia.

You requested more specific information about our proposed Authorized Users previous experience with licensed materials. Enclosed is a table showing this information. In addition to their previous experience, Authorized Users will be given a refresher class and license specific review before starting licensed activities.

Please call me at (804) 274-2946 if you have questions.

Sincerely,



Joseph N. Tenhet

140364

NMSS/RGN1 MATERIALS-002

Authorized User	Isotopes	Periods Of Used	Description of Use
Dr. Marc W. Fariss	$^{14}\text{C}$ , $^{14}\text{H}$ , $\mu\text{C}$ amounts	About 5 years 1976-1980	Labeling in animal studies of pesticides metabolites.
	$^{14}\text{C}$ , $^{14}\text{H}$ , $^{35}\text{S}$ $\mu\text{C}$ amounts	About 15 years 1981-1995	Measurement of cellular processes & components.
Dr. Mohammad R. Hajaligol	None	N/A	N/A
Dr. David B. Kane	$^{210}\text{Po}$ , $^{85}\text{Kr}$ Sealed sources	About 4 years 1998-2001	Used to ionize aerosols & smoke prior to instruments that measured particle characteristics.
Dr. Chengalrayan Kudithipudi	$^{32}\text{P}$ & $^{33}\text{P}$ about 500 mCi per week	About 5 years 2000-2004	DNA labeling for plant gene expression studies.
Dr. Diana McKinney	$^{35}\text{S}$	About 4 years 2000-2003	Agonist-stimulated G-protein coupled receptor autoradiography
Dr. Michael J. Oldham	$^{51}\text{P}$ up to 200 $\mu\text{Ci}$ per year	About 21 years 1977-1998	Aerosolized radiolabeled polystyrene latex in animal studies on effect of various pollutants.
	$^3\text{H}$ about 30 $\mu\text{Ci}$ per year	About 3 years 1977-1980	Radiolabeled particulates to determine particle deposition models of the human respiratory tract.
	$^{54}\text{Mn}$ , $^{89}\text{Sr}$ , & $^{46}\text{Sc}$ about 50 $\mu\text{Ci}$ per year	About 6 years 1992-1998	Aerosolized radiolabeled polystyrene latex spheres determine particle deposition models of the human respiratory tract.
	$^{85}\text{Kr}$ in sealed sources	About 30 years 1976-2006	Used to deionizer an aerosol to a Boltzmann equilibrium charge distribution.
Dr. Ali A. Rostami	None	N/A	N/A
Dr. Rutger Van der Hoeven	$^{32}\text{P}$ & $^{33}\text{P}$ about 500 mCi per week	About 9 years, 1993-2001	DNA labeling