Schering-Plough
1095 Morris Ave.
Union, NJ 07083-7143 USA
Phone +1 908 298 4000
www.schering-plough.com

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Schering-Plough

September 8, 2006

Br. 2

US Nuclear Regulatory Commission, Region I
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
475 Allendale Road
King of Prussia, PA 19406-1415

Docket No.: 030-05230
License No.: 29-00244-02

Subject: License Amendment Application

Dear Sir:

We wish to amend our Type A broad scope radioactive materials license to update one section contained in our license application dated March 1999. Specifically, we wish to update the section entitled Individuals Responsible for Radiation Safety (Management and Control Responsibilities) per below:

Radiation Safety Officer

Under the above license Mr. Frederick H. Jaeger has served as the Radiation Safety Officer. Schering Corporation wishes to amend this license to designate Mr. Mohammad Moshaashaee as Radiation Safety Officer. Mr. Moshaashaee has a Master of Science degree in Health Physics and he has completed professional courses, certification, and publications. In the attachments you will find a signed license application and Mr. Moshaashaee's Curriculum Vitae.

Please feel free to contact me or Mr. Moshaashaee at (908) 740-4622 if you have any questions or require further information.

Very truly yours,

A.E. Moffitt

A.E. Moffitt, Sc.D.
Vice President, Global Safety & Environmental Affairs

Attachments: Application for Materials License
Curriculum Vitae – Mr. Mohammad Moshaashaee

139417
NMSS/RGNI MATERIALS-002

NRC FORM 313 (10-2005) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIAL LICENSE

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008
Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR *(Check appropriate item)*
   - [ ] A. NEW LICENSE
   - [x] B. AMENDMENT TO LICENSE NUMBER 29-0024-02
   - [ ] C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include ZIP code)*
   Schering-Corporation
   2015 Galloping Hill Road
   Kenilworth, NJ 07033
   K-15-L-0150

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED
   As specified on License Application (Attached)

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
   Mohammad Moshaashaee

   TELEPHONE NUMBER
   (908) 740-4622

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
   a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES *(See 10 CFR 170 and Section 170.31)*
   FEE CATEGORY | AMOUNT ENCLOSED $

13. CERTIFICATION. *(Must be completed by applicant)* THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE
A.E. Moffitt, VP, Global Safety&Env.Affairs	A.E. Moffitt	9/8/06

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			$		
APPROVED BY				DATE	

PRINTED ON RECYCLED PAPER

CURRICULUM VITAE
Dated: 9/7/06
MOHAMMAD (MOJI) MOSHAASHAEE

CURRENT WORK ADDRESS:
Schering-Plough Research Institute
2015 Galloping Hill Road
Kenilworth, New Jersey 07033
E-mail: moji.moshaashaee@spcorp.com

EDUCATION

Georgetown University, Washington D.C.
School of Radiation Science
M.S. in Health Physics
Thesis:
" Nuclear Accident Criteria for Acute Exposure to Mixed Fission Product Aerosols"

Howard University, Washington D.C.
School of Engineering
B.S. in Electrical Engineering

SCIENTIFIC PAPERS AND ACCOPLISHMENTS

Co-author of a paper titled " Estimating " Acceptable Emergency Doses" from submersion in Fission Product Clouds" in *Radiation Protection Management,* October 2001.

Have published a paper in annals of NECLEAR ENERGY titled "Scattered energy spectra from the interaction of multi-energy photons with single layer shields", February 1999.

Co-author of a paper titled " Determination of heat generation in double layer shields" in annals of NECLEAR ENERGY, February 1999.

Conducted a radiation science seminar on interaction of ionizing radiation with living matter, including biomedical, cellular, systemic, and population events leading to radiation injury.

TRAINING

Certification for International Air Transport Association (IATA) Regulation governing the transportation of radioactive material Schering Plough, Union New Jersey

DOT Certification for "Packaging and Transport of Radioactive Material," Best Medical International Inc., Schering-Plough, Union New Jersey.

DOT / IATA Certification for "Infectious Substances Transportation Compliance" Schering-Plough, Union New Jersey

Have successfully completed RESRAD 5.70 (a computer aided design for implementation of residual radioactivity detection in the environment), U.S. Department of Energy Argonne National Laboratory.

"Quality Assurance Certification" Best Medical International Inc., Springfield Virginia

EXPERIENCE

SCHERING-PLOUGH
Radiation Safety Specialist, August 2004-Present
Providing Radiation Safety and technical support to department management, supervisors, employees, and safety teams within New Jersey operations including manufacturing, research, maintenance and engineering. Duties include internal and external radiation exposure to personnel. Designed radiation safety procedures to ensure safe handling and management of radioactive materials, storage and disposal activities of byproduct material and contaminated wastes. Ordering radioactive materials (I-125, H-3, C-14, P-32, P-33, S-35, etc.). Using database to maintain inventory, storage and release of organic and aqueous and dry radioactive waste. Perform leak testing and inventory for sealed sources routinely. Taking immediate action in case of all accidents where radioactive materials have been involved. Audit laboratory documents to ensure regulatory compliance. Manage Radiation Safety Committee meeting. Checking the NRC and state licenses for the shipments of radioactive materials. Reviewing the radioactive material inventory records. Provide Radiation Safety Training for the employees working with radioactive materials, x-ray machines and radiation detection equipment. Designed Computer Based Radiation Safety Training. Perform management functions such as scheduling, performance evaluations and counseling in the development of radiation protection program.

BEST MEDICAL INTERNATIONAL
Manager and Deputy Radiation Safety Officer, March 2000-March 2004
Providing general surveillance of radiation safety activities including personnel, facility and environmental monitoring. Managing Individuals with internal exposure to I-125. Designed radiation safety protocols to ensure safe handling and management of radioactive materials, storage and disposal activities of byproduct material and

contaminated wastes. Ordering radioactive materials (Pd-103, I-125, etc). Using database to maintain inventory, storage and release of many different radioisotopes (Ir-192, I-125, Pd-103, Sr-89, Cz-137, etc). Using level (I, II) dosimetry to investigate individual radiation overdoses and take necessary action to correct the problem. Perform leak testing and inventory for test sources routinely. Using AutoCAD, designed radiation survey map for laboratories. Performed surveys utilizing appropriate radiation detection instruments and analyzed, documented wipe test samples, taking corrective action for the contaminated areas. Evaluation of possible defect for NRC registered sources/devices, corrective action and notification. Checking periodically to ensured that approved procedures are being used. Reviewing the radioactive material inventory records. Calibration and maintenance of the radiation detection equipment. Training the employees working with radioactive materials, x-ray machines and radiation detection equipment. Perform management functions such as scheduling, performance evaluations and counseling in the development of radiation protection program. Taking immediate action in case of all accidents where radioactive materials have been involved. Audit laboratory documents to ensure regulatory compliance. Checking the NRC and state licenses for the shipments of radioactive materials. Designed documentations (Bill of Lading, Activity Certification, shipper's declaration, etc.) for different radioisotopes.

NIST
Department of Ionizing Radiation 1996-1997
As a research scientist at NIST I performed an extensive research on efficiency measurements of the germanium spectrometer systems, measurements of low level environmental gamma-ray emission rates, spectral analysis of gamma rays using multi-variable statistical methods for NIST long-lived mixed and single radionuclide standards.

Georgetown University Hospital 1995-1998
I had the opportunity to acquire knowledge of principles, theories and practices of health physics medical physics and radiation protection enabling me to develop approaches and solutions to complex problems related to probabilistic nature of radioactive materials. Georgetown's comprehensive training of radiation monitoring techniques included the use of current recommendations of national and international regulatory organizations (NRC, NCRP, and ICRP). Experience in safe handling and management of radioactive materials, storage and disposal activities, review radiological health and safety plans and evaluating radiological health reports.

GEORGETOWN UNIVERSITY HOSPITAL
Department of Oncology
Medical Physics Internship 1998-1999
Radiation Physicist, duties included treatment of malignant and benign tumors by optimizing the therapeutic ratio of treatment and accurately delivering therapeutic doses of radiation to the target volumes while minimizing the dose to uninvolved normal structures.

COMPUTER

Windows 98/95, Microsoft EXCEL, Microsoft Access, Microsoft Word, Microsoft Work, RESRAD 5.70 for Windows, FORTRAN

SOCIETIES/AFFILIATIONS

Member of Health Physics Society (HPS)

REFERENCES

SCHERING-PLOUGH
Frederick Jaeger (Radiation Safety Officer)

BEST MEDICAL INTERNATIONAL
Dr. Joe Wang (Radiation Safety)
Dr. Manny Subramanian (Director of Research & Development)

GEORGETOWN UNIVERSITY
Dr. Allen Brodsky (Faculty Member of Radiation Science department)
Dr. Marko Moscovitch (Chairman of Radiation Science Department)
Dr. James E. Rodgers (Associate Professor, Medical physicist)
Dr. Timothy Jorgensen (Assistant Professor)
Dr. Azam Niroomand-Rad (Associate Professor)

NIST
Dr. Kenneth G.W. Inn (Director of Department of Radio-chemistry)

This is to acknowledge the receipt of your letter/application dated

9/8/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 29-00244-02

[X] There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

[ ] Please provide to this office within 30 days of your receipt of this card

_____.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139417.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader