



U.S. Department of Justice

Federal Bureau of Investigation

Washington, D. C. 20535-0001

October 31, 2008

Br. 2

Mr. Dennis R. Lawyer, CHP
Division of Nuclear Materials Safety
Nuclear Material Safety Branch 2
US NRC-Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

2008 NOV -5 AM 10:40

RECEIVED
REGION 1

Dear Mr. Lawyer:

03036423

The Federal Bureau of Investigation's Laboratory Division (LD) would like to submit this *License Amendment* to our current Nuclear Regulatory Commission (NRC) Materials License (45-23722-02) dated September 8, 2006. Please find enclosed NRC Form 313, *Application for Material License*. Management oversight should be transferred from Michael E. Miller to Leslie M. McCauley.

Please amend the current license #45-23722-02 to reflect changes to the items listed below:

Item 6A(License): Remove "Any byproduct material with atomic numbers 1 through 83". Associated items 7A and 8A of the license would no longer exist.

Item 6(Form 313): Authorized use should read as follows: Analysis of samples B through F; use in instrument checks and calibrations; and training.

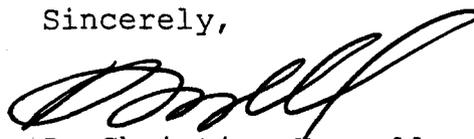
Item 7 (Form 313): Add the following individuals as Authorized Users: Travis Callaway, Michael Gavelek and John Kaysak. Enclosed are training records and experience of Authorized Users.

Should there be any questions concerning this submittal, please contact Leslie M. McCauley, Laboratory Division Radiation Safety Officer, at (703) 632-8289, (703) 632-7020 (FAX) or at leslie.mccauley@ic.fbi.gov.

142973
NRC/REG/MATER-ALS-002

Thank you in advance for your attention and cooperation
in this matter.

Sincerely,



D. Christian Hassell, Ph.D.
Director
FBI Laboratory

Enclosures:

- 1 - Form 313 (in duplicate)
- 2 - Item 3
- 3 - Item 6
- 4 - Item 7

NRC FORM 313
(4-2008)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

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.

APPLICATION FOR MATERIALS LICENSE

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, 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, MISSISSIPPI, 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
612 E. LAMAR BOULEVARD, SUITE 400
ARLINGTON, TX 76011-4125

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)		2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)	
<input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>45-23722-02</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____		Justice, Department of Federal Bureau of Investigation FBI Laboratory 2501 Investigation Parkway	
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED		4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION	
See attached.		Leslie M. McCauley, Radiation Safety Officer	
		TELEPHONE NUMBER	
		(703) 632-8289	
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 CONTAINED 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
Leslie M. McCauley/Industrial Hygiene & Safety Mgr			

FOR NRC USE ONLY

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

ITEM 3 - FORM 313

ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Address(es) where licensed material will be used or possessed:

- Laboratory Building*
FBI Academy
2501 Investigation Parkway
Quantico, VA 22135
- Forensic Research and Training Center
FBI Academy
Quantico, VA 22135
- Temporary Job sites of the licensee anywhere in the United States

(*Indicates present mailing address)

ITEM 6 - FORM 313

PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

- A. Byproduct material with atomic numbers 1 through 83 should be removed.
- B. Source checks
Spectral analysis
Alpha measurements
Spectral analysis for simulant in IND/RDD - contraband exercises
- C. Instrument checks
Spectral analysis
Neutron measurements
Neutron signature simulant in IND/RDD - contraband exercises
- D. Source checks
Spectral analysis for simulant in RDD - contraband exercises
- E. Source checks
Spectral analysis for simulant in RDD - contraband exercises
- F. Beta measurements
Spectral analysis for simulant in RDD - contraband exercises

The radioactive sources will be used for training and evaluation purposes of FBI personnel and equipment. The radioactive sources may also be used in Field Training Exercises involving FBI, DOD and DOE personnel. As an example, to add realism in training evolutions, radioactive source(S) will be placed or hidden in a contraband, radiological dispersal device (RDD) or to simulate some other nefarious purpose. FBI personnel will evaluate the items for elevated exposure rate readings and conduct spectral analysis and execute the appropriate Bureau response.

ITEM 7 - FORM 313

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

RADIATION SAFETY OFFICER¹

Mrs. Leslie M McCauley

AUTHORIZED USERS

Travis Callaway, Michael Gavelek, and John Kaysak are assigned to the Hazardous Materials Response Unit (HMRU)

¹ Previously approved, Lic. No. 08-00480-06, Amendment No. 22

Qualifications of personnel assigned to Hazardous Materials Response Unit (HMRU) and designated as First Responders.

Travis Callaway:

- U.S. Navy Explosive Ordnance Disposal School and Nuclear Weapons Render Safe Course, October 1979 - May 1980
- Advanced Nuclear Weapons Render Safe Course, SNL, 1981, 1985, 1988, 1990
- Radiological Emergency Management Course, December 2001
- Radiological Emergency Response Course, January 2002
- Hazmat Technical Course, January 2002, January 2005
- Radiological Crime Scene Investigation, SRTC, September 2002
- Radiological Worker II Certification, SRTC, 2002 -2008
- FBI Hazardous Materials Operations Course, April 2003
- Nuclear Technology Overview, ORNL, June 2003
- Radiological Crime Scene Response Course, SRNL, 2003-2008
- Nuclear Fuel Cycle Operations, November 17-21, 2003
- DOE Lincoln Gold Block V Training, NNSA, LANL, 2004-2008
- Radiological Emergency Team OPERATIONS (RETOPS) course, March 2004
- DOE RAPTOR Course, July 2004
- Radiological Dispersal Device Investigator Training (24 hrs.), October 13-14, 2004
- Pantex Disassembly Shielding and Packaging Course Training (24 hrs.), 2004-2007
- FBI Hazardous Materials Technician certification, March 2004, January 2005

Michael Gavelek

BS in Nuclear Engineering, 1998, University of Arizona

- NAVNUFLD EM A SCH, 16 weeks, January 1988
- NAVNUCPWR SCH, 24 weeks, November 1988
- NUCPWR Plant Operation Prototype D1G, 26 weeks, June 1989
- SUB DC, 1 week, January 1990
- ADV SUB STG BATT, 1 week, January 1990
- SUB PWR GEN EQ, 11 days, March 1991
- Integrated SHBD MAINT SUPPORT, 2 weeks, September 1990
- CONT/DIST DEB, 2 weeks, March 1991
- COSAL USE/MAINT 2 days, August 1990
- Nuclear Plant Senior Reactor Operator License Certification awarded on March 6, 2001 on University of Arizona's Nuclear Reactor Facility (Facility Docket No. 50-113): Senior Operator License number 70329, Operator Docket Number 55-70256
- FBI Hazardous Materials Operations Course, 2006
- Radiological Crime Scene Response Course, SRNL, 2006-2008
- Radiological Worker II Certification, SRTC, 2006-2008
- DOE Lincoln Gold Block V Training, NNSA, LANL, 2006
- Pantex Disassembly Shielding and Packaging Course, 2006

John Kaysak:

BS in Mechanical Engineering/Physics, 1984, FIT, JU

MS in Engineering/Industrial Management, 1991, ODU

- Naval Nuclear Power Enlisted School, 1978
- Naval Nuclear Prototype Enlisted School, 1978
- Naval Nuclear Power Officer's School, 1984
- Naval Nuclear Prototype Officer's School, 1984
- FBI HazMat Operations Course, 2000
- FBI WMD Crime Scene, 2000
- FBI Evidence Response Team Training, 2001
- Radiological Crime Scene Investigation, SRTC, 2000-2007
- Radiological Worker II Certification, SRTC, 2000-2008
- Radiological Dispersal Device Training, 2004, ANL
- FBI Radiological Dispersal Device Investigator Training, 2004
- Pantex Disassembly Shielding and Packaging Course Training 2004, 2007

Radionuclides Used:

The above personnel designated as First Responders have used and plan to use all the radionuclides listed in Item 5, B through F, in future training scenarios dealing with Radiological Dispersal Devices (RDD) at the FBI Academy located at Quantico, Virginia and Temporary Job Sites of the licensee anywhere in the United States. Personnel have used the listed radionuclides for the past two years under the supervision of the Leslie McCauley, Radiation Safety Officer

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

10/31/08, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (45-23722-02)
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** 142973.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.