June 27, 2011

Materials Licensing Section
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Reference: Amendment of our NRC License #21-24683-01

Dear Sir or Madam,

We would like to renew our current license and incorporate the following g changes in the following section of our original application:

Section 7.2: Authorized users for non-medical use – Removal of Carolynne Geragosian and Jeffrey K. Johnson, addition of Dr. Dan Bochar, Dr. Rana Sidhu, Mr. Levi Blazer, Mr. Jim Corrigan, and Mr. Daniel Tew. Ms. Geragosian is no longer with our company. Dr. Johnson has moved to management and is no longer working in the laboratory. Further information regarding the addition of Dr. Bochar, Dr. Sidhu, Mr. Blazer, Mr. Corrigan and Mr. Tew is attached to this letter.

We recently paid our annual fee. It is my understanding that no additional fee is due at this time. Please let me know if this is not correct.

If you have any questions regarding this amendment, please contact me at 1-800-364-9897.

Sincerely,

Elizabeth Meade

Elizabeth Meade, Ph.D.
Radiation Safety Officer
Cayman Chemical Company

RECEIVED JUN 30 2011

Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108 USA

toll free 800.364.9897
phone 734.971.3335
fax 734.971.3640

www.caymanchem.com
cayman@caymanchem.com

NRC FORM 313 (3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012

Estimated burden per response to comply with this mandatory collection request: 4.3 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.resource@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:

OFFICE OF FEDERAL & STATE MATERIALS AND
ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
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)*

- [ ] A. NEW LICENSE
- [ ] B. AMENDMENT TO LICENSE NUMBER
- [X] C. RENEWAL OF LICENSE NUMBER 21-24683-01 Please note changes

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include ZIP code)*

Cayman Chemical Company
1180 East Ellsworth Rd.
Ann Arbor, MI 48108

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Cayman Chemical Company
1180 East Ellsworth Rd.
Ann Arbor, MI 48108

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Elizabeth Meade

TELEPHONE NUMBER

734-971-3335

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 Renewal - no change | AMOUNT ENCLOSED $ 0.00

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
Elizabeth Meade, Radiation Safety Officer	Elizabeth Meade	6/27/11

FOR NRC USE ONLY

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

ATT 7.2.8

Cayman Chemical Company
Radiation Authorized User Form

Name: Daniel Bochar

Title: Lead Scientist

Date: 06/17/2011

1. Training

Type	Location	Duration	Content
Orientation/training class	University of Michigan	2 hrs	A,B,C,D
Annual refresher class	University of Michigan	8 x 30 min	A,B,C,D
Orientation/training class	University of Pennsylvania	2 hrs	A,B,C,D
Annual refresher training	University of Pennsylvania	4 x 30 min	A,B,C,D
Laboratory-specific training	Purdue University	2 hrs	A,B,C,D
Laboratory-specific training	University of Illinois	2 hrs	A,B,C,D

Content Code:

(A) Principles and practice of radiation protection
(B) Radioactivity measurements, standardization, and monitoring techniques and instruments
(C) Mathematics and calculations basic to the use and measurement and radioactivity
(D) Biological effects of radiation

2. Experience with radiation (actual use)

Isotope	mCi used at one time	Location	Clock Hr.	Type of use
^{3}H	10	University of Michigan University of Pennsylvania Purdue University University of Illinois	250 hrs	Enzymatic assays
^{14}C	10	University of Michigan University of Pennsylvania	50 hrs	Enzymatic assays

		Purdue University		
^{32}P	5	University of Michigan University of Pennsylvania Purdue University University of Illinois	250 hrs	Southern blotting Northern blotting Enzymatic assays
^{33}P	1	Purdue University	50 hrs	DNA sequencing
^{35}S	5	University of Pennsylvania Purdue University	500 hrs	DNA sequencing Protein labeling

ATT 7.2.9

Cayman Chemical Company
Radiation Authorized User Form

Name: Rana Sidhu

Title: Manager Biochemistry, Protein Expression Group

Date: 06/16/2011

1. Training

Type	Location	Duration	Content
Short course	University of Michigan	4 hrs	A,B,C,D
Short course	Argonne National Laboratory	1 hr	A,B,D
Short course	University of Manitoba	4 hrs	A,B,C,D
Short course	University of Manitoba	4 hrs	A,B,C,D

Content Code:

(A) Principles and practice of radiation protection
(B) Radioactivity measurements, standardization, and monitoring techniques and instruments
(C) Mathematics and calculations basic to the use and measurement and radioactivity
(D) Biological effects of radiation

2. Experience with radiation (actual use)

Isotope	mCi used at one time	Location	Clock Hr.	Type of use
^{3}H	1	University of Michigan	200 hrs	Enzyme assays
^{14}C	1	University of Michigan	800 hrs	Enzyme assays
^{32}P	1	University of Manitoba	600 hrs	In-gel assays
^{14}C	1	University of Michigan	200 hrs	Enzyme assays

ATT 7.2.10

Cayman Chemical Company
Radiation Authorized User Form

Name: Levi Blazer

Title: Scientist I, Molecular Screening

Date: 06/17/2011

1. Training

Type	Location	Duration	Content
Orientation/training class	University of Michigan	4 hrs	A,B,C,D
Annual refresher training	University of Michigan	4 x 30 min	A,B,C,D

Content Code:

(A) Principles and practice of radiation protection
(B) Radioactivity measurements, standardization, and monitoring techniques and instruments
(C) Mathematics and calculations basic to the use and measurement and radioactivity
(D) Biological effects of radiation

2. Experience with radiation (actual use)

Isotope	mCi used at one time	Location	Clock Hr.	Type of use
^{3}H	0.05	University of Michigan	15 hrs	Radioligand binding assays
^{32}P	0.25	University of Michigan	100 hrs	GTPase assays

ATT 7.2.11

Cayman Chemical Company
Radiation Authorized User Form

Name: Jim Corrigan

Title: Lab Supervisor

Date: 06/17/2011

1. Training

Type	Location	Duration	Content
Orientation/training class	Ferris State University	2 hrs	A,B,C,D
Laboratory-specific training	Cayman Chemical Company	4 hr	A,B,C,D

Content Code:

(A) Principles and practice of radiation protection
(B) Radioactivity measurements, standardization, and monitoring techniques and instruments
(C) Mathematics and calculations basic to the use and measurement and radioactivity
(D) Biological effects of radiation

2. Experience with radiation (actual use)

Isotope	mCi used at one time	Location	Clock Hr.	Type of use
^{3}H	0.01	Cayman Chemical Company	10 hrs	Enzyme assay

ATT 7.2.12

Cayman Chemical Company
Radiation Authorized User Form

Name: Daniel James Tew

Title: Research Scientist I, Immunoassay Department

Date: 06/17/2011

1. Training

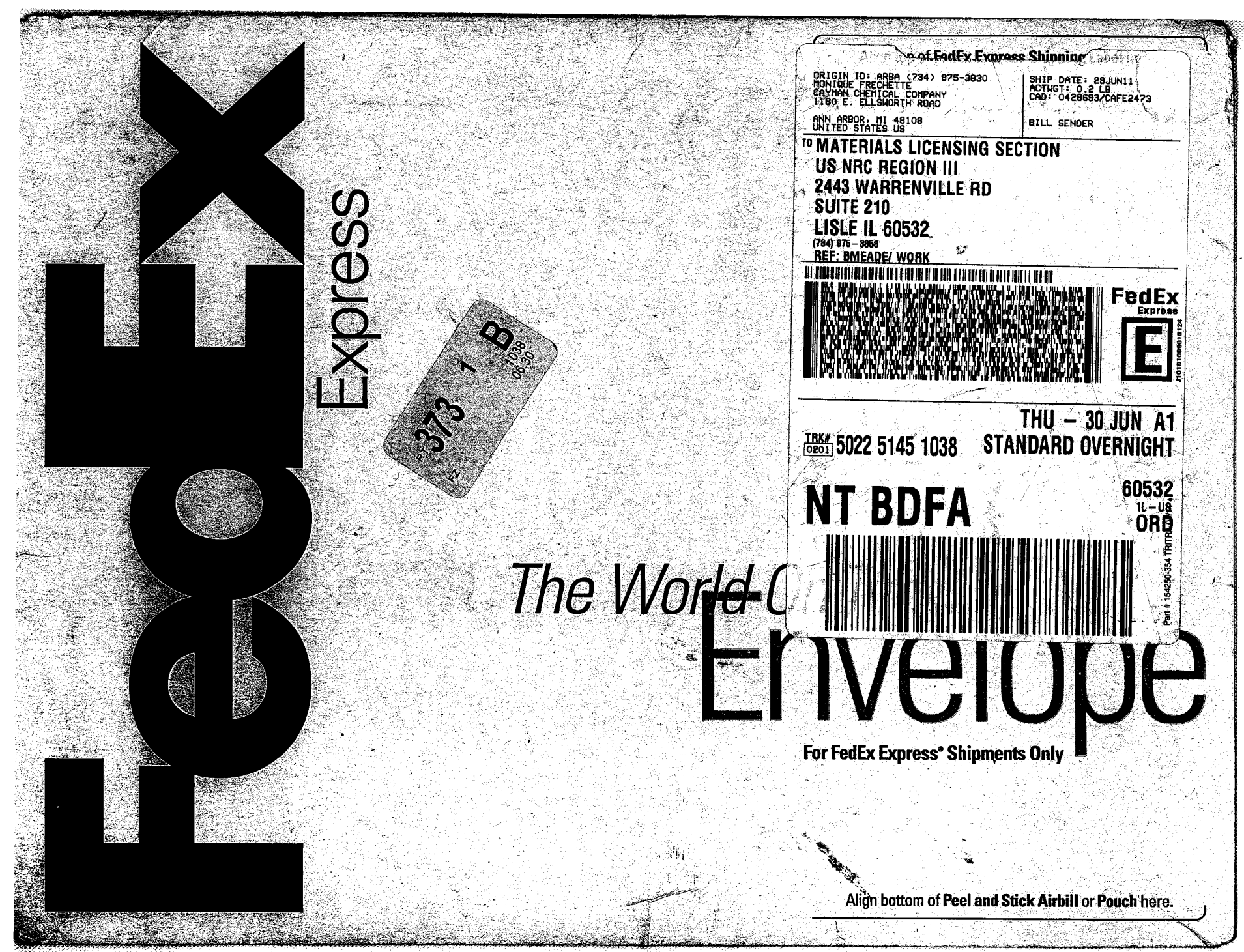
Type	Location	Duration	Content
Radiation Training	Cayman Chemical Company	3 hrs	A,B,C,D

Content Code:

(A) Principles and practice of radiation protection
(B) Radioactivity measurements, standardization, and monitoring techniques and instruments
(C) Mathematics and calculations basic to the use and measurement and radioactivity
(D) Biological effects of radiation

2. Experience with radiation (actual use)

Isotope	mCi used at one time	Location	Clock Hr.	Type of use
^{3}H	1	Cayman Chemical Company	100 hrs	Radioligand binding assays


FedEx
Express
ORIGIN ID: ARBA (734) 975-3830
MONIQUE FRECHETTE
CAYMAN CHEMICAL COMPANY
1180 E. ELLSWORTH ROAD
ANN ARBOR, MI 48108
UNITED STATES US
SHIP DATE: 29JUN11
ACTWGT: 0.2 LB
CAD: 0428693/CAFE2473
BILL SENDER
TO MATERIALS LICENSING SECTION
US NRC REGION III
2443 WARRENVILLE RD
SUITE 210
LISLE IL 60532
(734) 975-3858
REF: BMEADE/ WORK
FedEx
Express
THU - 30 JUN A1
TRK# 0201 5022 5145 1038
STANDARD OVERNIGHT
NT BDFA
60532
IL-US
ORD
Part # 154250-354 THITRA
The World
Envelope
For FedEx Express® Shipments Only
Align bottom of Peel and Stick Airbill or Pouch here.