



January 30, 2015

Laboratory ID: 100118

Jeffrey Curran  
State of Connecticut Department of Public Health Dr.Katherine A Kelly State Public Health Laboratory  
395 West Street  
Rocky Hill, CT 06067

Dear Mr. Curran:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved State of Connecticut Department of Public Health Dr.Katherine A Kelly State Public Health Laboratory as an accredited Environmental Lead laboratory.

Accreditation documentation includes the ELLAP accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation logo has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the logo in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation logo will be sent to you. Please inform us if your laboratory does not wish to use the logo in advertising.

Laboratory accreditation shall be maintained by continued compliance with ELLAP requirements (*see Policy Modules 2C and 6*), which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP "Approved PT and Round Robin" webpage, its associated PT-Scope table, and as required in Policy Module 6, for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the Environmental Lead.

Again, congratulations. If you have any questions, please contact Lauren Schnack, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton  
Managing Director  
AIHA Laboratory Accreditation Programs, LLC

*AIHA Laboratory Accreditation Programs, LLC*  
3141 Fairview Park Drive, Suite 777, Falls Church, VA 22042 USA  
main +1 703-846-0736 fax +1 703-207-8558

*Twitter: @AIHA\_LAP\_LLC*

R2 04/26/2013

Page 1 of 1



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **State of Connecticut Department of Public Health Dr. Katherine A Kelly State Public Health Laboratory**

395 West Street, Rocky Hill, CT 06067

Laboratory ID: 100118

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

#### **LABORATORY ACCREDITATION PROGRAMS**

- |   |                                   |
|---|-----------------------------------|
| <input type="checkbox"/> <b>INDUSTRIAL HYGIENE</b>            | Accreditation Expires:            |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b> | Accreditation Expires: 02/01/2017 |
| <input type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b>    | Accreditation Expires:            |
| <input type="checkbox"/> <b>FOOD</b>                          | Accreditation Expires:            |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                 | Accreditation Expires:            |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

Gerald Schultz, CIH  
Chairperson, Analytical Accreditation Board

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**State of Connecticut Department of Public Health**  
**Dr. Katherine A Kelly State Public Health Laboratory**  
395 West Street, Rocky Hill, CT 06067

Laboratory ID: **100118**  
Issue Date: 01/30/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

### **Environmental Lead Laboratory Accreditation Program (ELLAP)**

**Initial Accreditation Date: 05/01/2000**

<b>Field of Testing (FoT)</b>	<b>Method</b>	<b>Method Description</b> <i>(for internal methods only)</i>
<b>Paint</b>	EPA 239.1	
	EPA SW-846 3050B	
<b>Soil</b>	EPA 239.1	
	EPA SW-846 3050B	
<b>Settled Dust by Wipe</b>	EPA 239.1	
	EPA SW-846 3050B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

# Certificate of Registration

Entity Name: Connecticut Department of Public Health Laboratory

Address: 10 Clinton Street  
Hartford, CT 06106

Registration #: C20140325-1570

Effective Date: March 25, 2014

Expiration Date: March 25, 2017

Responsible Official: Cynthia Carter

Alternate Responsible Official(s): Diane Barden

Based on information provided to the CDC Select Agent Program and the APHIS Agriculture Select Agent Services, the above named entity is authorized to possess, use, and transfer select agents and toxins under the conditions specified in the entity registration application, in accordance with 42 CFR Part 73, 9 CFR Part 121, and 7 CFR Part 331.



Robbin S. Weyant, Director  
Division of Select Agents and Toxins  
Centers for Disease Control and Prevention



Freeda E. Isaac, DVM, National Director  
Agriculture Select Agent Services  
Animal and Plant Health Inspection Service



CENTERS FOR MEDICARE & MEDICAID SERVICES  
CLINICAL LABORATORY IMPROVEMENT AMENDMENTS

CERTIFICATE OF COMPLIANCE

LABORATORY NAME AND ADDRESS  
DR KATHERINE A KELLEY  
STATE PUBLIC HEALTH LABORATORY  
395 WEST ST  
ROCKY HILL, CT 06067

CLIA ID NUMBER  
07D0861026

LABORATORY DIRECTOR

JAFAR H RAZEQ PHD

EFFECTIVE DATE  
11/05/2015  
EXPIRATION DATE

11/04/2017

Pursuant to Section 353 of the Public Health Services Act (42 U.S.C. 263a) as revised by the Clinical Laboratory Improvement Amendments (CLIA), the above named laboratory located at the address shown hereon (and other approved locations) may accept human specimens for the purposes of performing laboratory examinations or procedures.

This certificate shall be valid until the expiration date above, but is subject to revocation, suspension, limitation, or other sanctions for violation of the Act or the regulations promulgated thereunder.



*Karen W. Dyer*

Karen W. Dyer, Acting Director  
Division of Laboratory Services  
Survey and Certification Group  
Center for Clinical Standards and Quality

If you currently hold a Certificate of Compliance or Certificate of Accreditation, below is a list of the laboratory specialties/subspecialties you are certified to perform and their effective date:

<u>LAB CERTIFICATION (CODE)</u>	<u>EFFECTIVE DATE</u>
BACTERIOLOGY (110)	11/05/1993
PARASITOLOGY (130)	02/20/2009

LAB CERTIFICATION (CODE)      EFFECTIVE DATE

CENTERS FOR MEDICARE & MEDICAID SERVICES  
CLINICAL LABORATORY IMPROVEMENT AMENDMENTS

CERTIFICATE OF COMPLIANCE

LABORATORY NAME AND ADDRESS

DR KATHERINE A KELLEY STATE PUBLIC HEA  
395 WEST ST  
ROCKY HILL, CT 06067

CLIA ID NUMBER

07D0644555

EFFECTIVE DATE

11/05/2015

EXPIRATION DATE

11/04/2017

LABORATORY DIRECTOR

JAFAR H RAZEQ PHD

Pursuant to Section 353 of the Public Health Services Act (42 U.S.C. 263a) as revised by the Clinical Laboratory Improvement Amendments (CLIA), the above named laboratory located at the address shown hereon (and other approved locations) may accept human specimens for the purposes of performing laboratory examinations or procedures.

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*Karen W. Dyer*

Karen W. Dyer, Acting Director  
Division of Laboratory Services  
Survey and Certification Group  
Center for Clinical Standards and Quality

3 Certs2\_100615

If you currently hold a Certificate of Compliance or Certificate of Accreditation, below is a list of the laboratory specialties/subspecialties you are certified to perform and their effective date:

<u>LAB CERTIFICATION (CODE)</u>	<u>EFFECTIVE DATE</u>	<u>LAB CERTIFICATION (CODE)</u>	<u>EFFECTIVE DATE</u>
BACTERIOLOGY (110)	11/05/1993		
MYCOBACTERIOLOGY (115)	11/05/1993		
PARASITOLOGY (130)	11/05/1993		
VIROLOGY (140)	11/05/1993		
SYPHILIS SEROLOGY (210)	11/05/1993		
GENERAL IMMUNOLOGY (220)	11/05/1993		
ROUTINE CHEMISTRY (310)	11/05/1993		
ENDOCRINOLOGY (330)	11/05/1993		
TOXICOLOGY (340)	11/05/1993		

FOR MORE INFORMATION ABOUT CLIA, VISIT OUR WEBSITE AT [WWW.CMS.GOV/CLIA](http://WWW.CMS.GOV/CLIA)  
OR CONTACT YOUR LOCAL STATE AGENCY. PLEASE SEE THE REVERSE FOR  
YOUR STATE AGENCY'S ADDRESS AND PHONE NUMBER.  
PLEASE CONTACT YOUR STATE AGENCY FOR ANY CHANGES TO YOUR CURRENT CERTIFICATE.

**STATE OF CONNECTICUT**

**Department of Public Health**

**License No. CL-0656**

**Licensed Clinical Laboratory**

In accordance with the provisions of the General Statutes of Connecticut Section 19a-30:

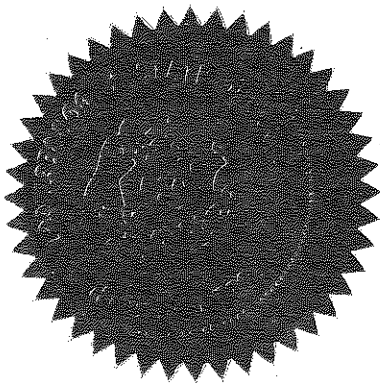
**STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH** is hereby licensed to maintain and operate a Clinical Laboratory.

**THE DR. KATHERINE A. KELLEY STAE PUBLIC HEALTH MULTI-SITE LPHT LABORATORY** is located at **395 WEST STREET, ROCKY HILL, CT 06067** with:

**Jafar Razeq, Ph.D.**, as Licensee/Registrant

This license expires **DECEMBER 31, 2017** and may be revoked for cause at any time.

Dated at Hartford, Connecticut, **JANUARY 1, 2016**.



Jewel Mullen, MD, MPH, MPA  
Commissioner

U.S. DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE  
VETERINARY SERVICES  
RIVERDALE, MARYLAND 20737

**UNITED STATES VETERINARY PERMIT FOR IMPORTATION  
AND TRANSPORTATION OF CONTROLLED MATERIALS AND  
ORGANISMS AND VECTORS**

PERMIT NUMBER  
103215  
Research

DATE ISSUED  
08/19/2015

DATE EXPIRES  
08/19/2016

NAME AND ADDRESS OF SHIPPER(S)

Various shippers within the  
UNITED STATES

CC:  
Service Center, CT (Sutton, MA)

NAME AND ADDRESS OF PERMITTEE INCLUDING ZIP CODE AND TELEPHONE NUMBER

Cynthia Carter  
Connecticut Department of Public Health Laboratory  
395 West Street  
Rocky Hill, Connecticut 06067  
860-920-6513

U.S. PORT(S) OF ARRIVAL  
TRANSPORT PERMIT

MODE OF TRANSPORTATION  
ANY



AS REQUESTED IN YOUR APPLICATION, YOU ARE AUTHORIZED TO IMPORT OR TRANSPORT THE FOLLOWING MATERIALS

1. Inactivated organisms and/or their derivatives including DNA/RNA
2. Parasitic and fungal agents known to cause human disease
3. Mycobacterium species
4. Zoonotic Rickettsia species and other zoonotic tick-borne agents
5. Zoonotic foodborne pathogens
6. Bacterial pathogens (including excluded bacterial select agents)
7. Rabies, pox viruses, West Nile virus, and Western equine encephalitis virus
8. Isolates, DNA, RNA, and derivatives of low pathogenicity avian influenza viruses H5 and H7 subtypes, excluding H7N9

**RESTRICTIONS AND PRECAUTIONS FOR TRANSPORTING AND HANDLING MATERIALS AND ALL DERIVATIVES**

THIS PERMIT IS ISSUED UNDER AUTHORITY CONTAINED IN 9 CFR CHAPTER 1, PARTS 94, 95 AND 122. THE AUTHORIZED MATERIALS OR THEIR DERIVATIVES SHALL BE USED ONLY IN ACCORDANCE WITH THE RESTRICTIONS AND PRECAUTIONS SPECIFIED BELOW (ALTERATIONS OF RESTRICTIONS CAN BE MADE ONLY WHEN AUTHORIZED BY USDA, APHIS, VS).

o Adequate safety precautions shall be maintained during shipment and handling to prevent dissemination of disease.

o \*\*\* THIS PERMIT IS INVALID WITHOUT PERMITTEE'S SIGNATURE \*\*\*. "I, Cynthia Carter, certify that this material will be used in accordance with all restrictions and precautions as are specified in this permit,  
\*\*\*

o \*\*\* signed: Cynthia Carter . " \*\*\*

o \*\*\* Each shipment shall be accompanied by an ORIGINAL signed document from the producer/manufacturer confirming that the material is of U.S. origin. [This certification must CLEARLY correspond to the shipment by means of an invoice number or shipping marks or lot number or other identification method.]

o \*\*\* This permit DOES NOT allow transport of ANY agents: 1) exotic to the United States, 2) originating from outside the United States, or 3) Select Agents or nucleic acids as regulated under 9 CFR 121.

continued on subsequent page(s).....

TO EXPEDITE CLEARANCES AT THE PORT OF ENTRY, BILL OF LADING, AIRBILL OR OTHER DOCUMENTS ACCOMPANYING THE SHIPMENT SHALL BEAR THE PERMIT NUMBER

SIGNATURE Deborah Dufficy

*Deborah L. Dufficy*

TITLE  
Senior Staff Officer  
National Import Export Services

NO. LABELS



RESTRICTIONS AND PRECAUTIONS: (continued from Permit Form VS 16-6)

- o Transported material is for DIAGNOSTIC AND PUBLIC HEALTH PURPOSES ONLY (i.e serotyping, antigenic characterization, sequencing and other genetic characterization of the agent)
  - o This permit DOES NOT authorize direct or indirect exposure of or inoculation into laboratory and domestic animals, including poultry, cattle, sheep, swine, horses, etc. Work shall be limited to IN VITRO uses only.
  - o Packaging, containers in contact with these materials shall be decontaminated or considered a biohazard and be disposed of accordingly. All equipments in contact with infectious materials shall be decontaminated as appropriate.
  - o This permit is valid only for work conducted or directed by you or your designee in your present U.S. facilities. (MATERIALS SHALL NOT BE MOVED TO ANOTHER U.S. LOCATION, OR DISTRIBUTED WITHIN THE U.S., WITHOUT USDA, APHIS, VS, NIES AUTHORIZATION. NIES Authorization is either a VS 16-6 TRANSPORT PERMIT ISSUED TO THE RECIPIENT, IN OTHER U.S. LOCATIONS or A GUIDELINE THAT INDICATES THE MATERIAL IS NOT REGULATED BY USDA FOR INTERSTATE TRANSPORT)
  - o This permit does not exempt the permittee from responsibility for compliance with any other applicable federal, state, or local laws and regulations.
  - o A copy of this permit must be included with the shipping documents.
-



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 1  
NEW ENGLAND REGIONAL LABORATORY  
OFFICE OF ENVIRONMENTAL MEASUREMENT & EVALUATION  
11 TECHNOLOGY DRIVE  
NORTH CHELMSFORD, MASSACHUSETTS 01863-2431

February 25, 2016

Jafar H. Razeq, Ph.D., Laboratory Director  
Dr. Katherine A. Kelley State Public Health Laboratory  
Connecticut Department of Public Health  
395 West Street  
Rocky Hill, CT 06067

*Jafar*  
Dear Dr. ~~Razeq~~:

Enclosed are your certificate and list of analytes for 2016. Your current certificate is effective from January 1, 2016 through January 31, 2017. The analyte list for 2016 is similar to the list issued for your laboratory for 2015, with the addition of certification for Strontium-89 and Strontium-90 by EPA Method 905.0.

If you have any questions, you may contact me at any time by phone at (617) 918-8373 or by email at [jefferies.ann@epa.gov](mailto:jefferies.ann@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Ann R. Jefferies".

Ann R. Jefferies  
Laboratory Certification Program Manager  
Quality Assurance Unit

Enclosures: 2

cc: J. Curran (DPH)  
S. DiMattei  
J. Downing  
S. Isch (DPH)  
A. Johnson  
E. Kwong  
M. Sceery  
J. Smaldone

The United States Environmental Protection Agency

EPA New England – Region I

Awards Certification to

*The Connecticut Department of Public Health*

*Dr. Katherine A. Kelley State Public Health Laboratory*

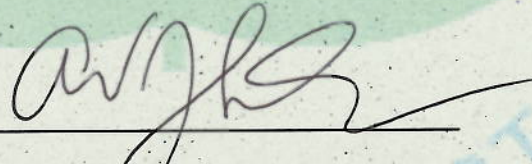
*395 West Street, Rocky Hill, Connecticut*

for the Drinking Water analytes on the following page.

Certificate No. 2016CT01

Date of Issue: February 25, 2016

Expiration Date: January 31, 2017



*Arthur V. Johnson, III, Director*

*Office of Environmental Measurement & Evaluation*

## EPA NEW ENGLAND DRINKING WATER LABORATORY CERTIFICATION PROGRAM

Analyte List Number: 2016CT01      Effective Date: Jan. 1, 2016      Expiration Date: Jan. 31, 2017  
 GRANTS CERTIFICATION TO THE CONNECTICUT DEPARTMENT OF PUBLIC HEALTH LABORATORY  
 FOR THE DRINKING WATER ANALYTES AND METHODS BELOW.

The suffix "P" designates Provisional Certification.

*This list supersedes all previous lists.*

### Chemistry -- Inorganics

Asbestos	TEM	100.2
Cyanide	MicroDIST	10-204-00-1-X
Fluoride	IC	300.0
Nitrate	IC	300.0
Nitrite	IC	300.0
Turbidity	Nephel.	180.1

### Chemistry -- Metals

Antimony	ICP-MS	200.8
Arsenic	ICP-MS	200.8
Barium	ICP	200.7
Barium	ICP-MS	200.8
Beryllium	ICP-MS	200.8
Cadmium	ICP-MS	200.8
Chromium	ICP	200.7
Chromium	ICP-MS	200.8
Copper	ICP	200.7
Copper	ICP-MS	200.8
Lead	ICP-MS	200.8
Mercury	Cold vapor	245.1
Nickel	ICP	200.7
Nickel	ICP-MS	200.8
Selenium	ICP-MS	200.8
Thallium	ICP-MS	200.8
Uranium	ICP-MS	200.8

### Chemistry -- Organics

Alachlor	GC	505
Aldicarb	GC	531.1
Aldicarb sulfone	GC	531.1
Aldicarb sulfoxide	GC	531.1
Atrazine	GC	505
Benzo(a)pyrene	GC-MS	525.2
Bis(2-ethylhex.)adipate	GC-MS	525.2
Bis(2-ethylhex.)phthalate	GC-MS	525.2
Carbofuran	GC	531.1
Chlordane (technical)	GC	505
Dibromochloropropane	GC	524.3
Dinoseb	GC	515.3

### Chemistry -- Organics (continued)

Diquat	GC	549.2
Endrin	GC	505
Ethylene dibromide	GC	524.3
Glyphosate	GC	547
Heptachlor	GC	505
Heptachlor epoxide	GC	505
Hexachlorobenzene	GC	505
Hex.chl.cyc.pentadiene	GC	505
Lindane	GC	505
Methoxychlor	GC	505
Oxamyl	GC	531.1
Pentachlorophenol	GC	515.3
Picloram	GC	515.3
Simazine	GC	505
Toxaphene	GC	505
Trihalomethanes	GC-MS	524.2
Vinyl chloride	GC-MS	524.2
2,4-D	GC	515.3
2,4,5-TP (Silvex)	GC	515.3
20 regulated volatiles*	GC-MS	524.2

### Microbiology

Heterotrophic plate count	Pour plate	9215 B
<i>E. coli</i>	Colilert	9223 B
Total coliform	Colilert	9223 B
<i>E. coli</i>	Colisure	9223 B
Total coliform	Colisure	9223 B

### Radiochemistry

Gross alpha activity	Evaporation	900.0
Gross beta activity	Evaporation	900.0
Barium-133	Gamma	901.1
Cesium-134	Gamma	901.1
Cesium-137	Gamma	901.1
Cobalt-60	Gamma	901.1
Iodine-131	Gamma	901.1
Radium-226	Precip.	903.0
Radium-228	Precip.	904.0
Strontium-89	Precip.	905.0
Strontium-90	Precip.	905.0
Tritium	Liq. scint.	906.0
Zinc-65	Gamma	901.1

\*These are the compounds listed in 40 CFR 141.61(a) except for vinyl chloride (which is listed separately).

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 5

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. State of Connecticut Department of Public Health</p> <p>2. 395 West Street Rocky Hill, Connecticut 06067</p>	<p>In accordance with the letter dated October 10, 2013,</p> <p>3. License number 06-27895-03 is amended in its entirety to read as follows</p> <hr/> <p>4. Expiration date December 31, 2018</p> <hr/> <p>5. Docket No. 030-37847 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with atomic numbers 1 through 83</p> <p>B. Any byproduct material with atomic numbers 84 through 103</p> <p>C. Any special nuclear material</p> <p>D. Hydrogen 3</p> <p>E. Plutonium 239, Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Sealed Sources (Canberra Model 7400-SRC and Eckert &amp; Ziegler Analytics Model Custom)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 1 millicurie per radionuclide and 1,000 millicuries total (See also License Condition 13)</p> <p>B. 10 microcuries per radionuclide and 100 microcuries total (See also License Condition 13)</p> <p>C. 10 microcuries per radionuclide and 100 microcuries total (See License Condition 13)</p> <p>D. 5 millicuries</p> <p>E. 500 nanocuries (See also License Condition 13)</p>
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9. Authorized use:
- A. through D. Taking of, and analysis of, samples as a non-commercial service for other persons as defined in 10 CFR 20.1003; calibration and checking of licensee's instruments.
  - E. Calibration of the licensee's instruments.

**CONDITIONS**

- 10. Licensed material may be used or stored only at the licensee's facilities located at 395 West Street, Rocky Hill, Connecticut.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
06-27895-03Docket or Reference Number  
03037847

Amendment No. 5

11. Licensed material shall be used by, or under the supervision of, Susan Isch.
12. The Radiation Safety Officer for this license is Stewart K. Chute, Ph.D.
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) and 70.25(d) for establishing decommissioning financial assurance.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16.
  - A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
  - B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
  - C. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
  - D. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
06-27895-03Docket or Reference Number  
03037847

Amendment No. 5

- E. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- F. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- G. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated August 29, 2008 (ML082970452)  
B. Application dated September 22, 2008 (ML082970452)  
C. Letter dated April 10, 2012 (ML12104A249)

For the U.S. Nuclear Regulatory Commission

Date June 4, 2014

By

***Original signed by Elizabeth Ullrich***Elizabeth Ullrich  
Commercial, Industrial, R&D and Academic Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Wednesday, June 4, 2014 09:15:49