



HUMAN HEALTH | ENVIRONMENTAL | NUCLEAR

PerkinElmer, Inc.  
710 Bridgeport Ave, M/S 221  
Shelton, CT 06484  
USA

Phone 203.402.1999  
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January 8, 2016

Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission, Region 1  
2100 Renaissance Boulevard, Suite 100  
King of Prussia, PA 19406-2713

**SUBJECT: LICENSE RENEWAL**  
**LICENSE #: 06-02135-08**

Enclosed please find PerkinElmer's renewal request for license number 06-02135-08. **103003776**

The following supporting documents have been included:

1. NRC Form 313
2. NRC Form 313 items 5-11

***There is one noteworthy change with this renewal request:*** The address where licensed material will be used or possessed is now strictly at our PerkinElmer Singapore facility. Effective 1/28/16 PerkinElmer in Shelton, CT will have ZERO Ni-63 ECD stock in our manufacturing operations.

If there are any questions please contact me.

**Elizabeth Cantas | Environmental, Health and Safety Manager | Radiation Safety Officer**

PerkinElmer | For the Better

[elizabeth.cantas@perkinelmer.com](mailto:elizabeth.cantas@perkinelmer.com)

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710 Bridgeport Ave, Shelton, CT 06484 USA

REC'D 1011216AM1014

**589902**  
**NUCLEAR MATERIALS-002**

**Supplement to: NRC FORM 313 APPLICATION FOR MATERIALS LICENSE –  
AMENDMENT TO LICENSE #06-02135-08**

**5. RADIOACTIVE MATERIAL**

**SEALED SOURCE**

Radionuclide: Nickel 63

Form: Foil

Manufacturer: NRD (Nuclear Radiation Development Corp), 2937 Alt Boulevard, Grand Island, NY 14072

Mfg. Part #: N-1001

Source Registration #: NR-0536-D-110-B

Source Activity: 15 millicuries

**6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED**

Gas chromatographs

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

<b>RSO</b>	<b>TRAINING</b>	<b>TRAINING DURATION</b>	<b>ON THE JOB</b>
<i>Elizabeth Cantas</i> EH&S Manager	PerkinElmer Alcoa	< 1 year 5 years	Yes Yes

<b>OTHERS</b>	<b>TRAINING</b>	<b>TRAINING DURATION</b>	<b>ON THE JOB</b>
<i>Jeanne Raccio</i> Mfg. Supervisor	PerkinElmer Packard Bioscience	25 years 5 years	Yes Yes
<i>Alan Mears</i> Compliance Engineer/ R&D	PerkinElmer Schlumberger	< 1 year < 1 year	Yes Yes
<i>Kevin Palmer</i> Tech Service Support	PerkinElmer SafetyKleen Unilever	< 1 year 1 year 5 years	Yes Yes Yes

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

Not applicable – no restricted areas. Only sealed sources received from supplier, NRD.

**9. FACILITIES AND EQUIPMENT**

Sealed sources are shipped and stored in anti-tamper source housing, model #N610-0133, N610-0063, N610-0134 from our PerkinElmer Singapore facility. Sealed sources are stored in a locked cabinet.

**10. RADIATION SAFETY PROGRAM**

- a) Audit of ISO-9000 system, of which the control processes of the sealed sources are a component.
  - i. Inspection Instructions for ECD Cells
  - ii. Radioactive Package Receiving and Survey Instructions
  - iii. Wipe / Re-wipe Instructions
  - iv. Stock and Issue Instructions for ECD Cells
  - v. Review of Specific License
- b) Formal review of processes every 5 years
- c) Inventories verified quarterly
- d) Survey meter under controlled yearly calibration process
- e) Instruments properly labeled with signage and initial test results
- f) Shipping containers labeling
- g) Receipt and transfer of all devices recorded

**11. WASTE MANAGEMENT**

Not applicable, no waste generated.



**APPLICATION FOR MATERIALS  
LICENSE**

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.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.

**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. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
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  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

**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  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

**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  
☒ C. RENEWAL OF LICENSE NUMBER

06-02135-08

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

PerkinElmer Health Sciences, Inc.  
710 Bridgeport Ave  
Shelton, CT 06484  
Attn: Elizabeth Cantas, M/S 221

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

PerkinElmer  
28 Ayer Rajah Crescent, #04-01, Singapore 139959

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Elizabeth Cantas

**BUSINESS TELEPHONE NUMBER**

(203) 402-1999

**BUSINESS CELLULAR TELEPHONE NUMBER**

(203) 526-9165

**BUSINESS EMAIL ADDRESS**

[elizabeth.cantas@perkinelmer.com](mailto:elizabeth.cantas@perkinelmer.com)

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 (Fees required only for new applications, with few exceptions\*)  
(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, 37, 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**

Elizabeth Cantas  
Environmental Health & Safety Manager, Radiation Safety Officer

**SIGNATURE**

*E. Cantas*

**DATE**

1/8/16

**FOR NRC USE ONLY**

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

**APPROVED BY**

**DATE**

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

01/08/2016, and to inform you that the initial processing which includes an administrative review has been performed.

☒ 06-02135-08 (Renewal)  
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 589902  
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.