



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

Phone 203.402.1999  
Fax 203.925.4666  
www.perkinelmer.com

06/12/2015

*Dr. 2*

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

*03003776*

*03017474*

**SUBJECT: LICENSE AMENDMENTS**  
**LICENSE #s: 06-02135-08 & 06-02135-12G**

Enclosed please find PerkinElmer's amendment request for licenses 06-02135-08 and 06-02135-12G.

The following supporting documents have been included:

1. Two copies of NRC Form 313, one for each license amendment
2. NRC Form 313 items 5-11

**We are requesting the following amendments:**

➤ **License # 06-02135-08**

Condition 12

- Remove the first (5) Detector Cell Assemblies; 009-0282, 105-0210, 330-0119, L413-0128, N600-0113 – these are not active assemblies in our process.
- Detector Cell Assemblies; N610-0063 and N610-0134; after each listing state "containing Model N610-0133 detector cell" (refer to similar statements as seen on license # 06-02135-12G amendment # 06, condition 11.)

Condition 13

- Device Model Numbers listed for export only should be N610-0063 and N610-0134, and match those on our distribution license, 06-02135-12G.

➤ **License # 06-02135-12G**

Condition 11

- Detector Cell Assemblies; N610-0063 and N610-0134; after each listing state "containing Model N610-0133 detector cell" (refer to similar statements as seen on license # 06-02135-12G amendment # 06.)

If there are any questions please contact me.

*Elizabeth Cantas*

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

PerkinElmer | For the Better | [elizabeth.cantas@perkinelmer.com](mailto:elizabeth.cantas@perkinelmer.com)

Office: +1 203.402.1999 | Fax: +1 203.925.4666 | Mobile: +1 203.526.9165

710 Bridgeport Ave, Shelton, CT 06484 USA

40001061715M0216

*5881931* *588194*  
**NMOS/RGNI MATERIALS-002**

**Supplement to: NRC FORM 313 APPLICATIONS FOR MATERIALS LICENSE – AMENDMENT TO  
LICENSE #06-02135-08 & 06-02135-12G**

**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 (*this mfg. source part # is contained within PerkinElmer's N610-0133 detector cell.*)

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**

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

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

- a) Sealed sources are shipped and stored in anti-tamper source housing.
- b) Models N610-0063 and N610-0134 are detector cell assemblies which both contain PerkinElmer's model #N610-0133 detector cell (raw cell).**
- c) Sealed sources are stored in a locked cabinet.

**10. RADIATION SAFETY PROGRAM**

- a) Twice yearly audit of ISO-9000 system, of which the control processes of the sealed sources are a component. Procedures below attached.
  - 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:**

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  
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 06-02135-08
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

**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**

710 Bridgeport Ave  
Shelton, CT

**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.**

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

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

**10. RADIATION SAFETY PROGRAM.**

**9. FACILITIES AND EQUIPMENT.**

**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**

*Elizabeth Cantas*

**DATE**

06/12/15

**FOR NRC USE ONLY**

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



**APPLICATION FOR MATERIALS  
LICENSE**

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<p><b>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</b></p> <p>OFFICE OF FEDERAL &amp; STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001</p> <p><b>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</b></p> <p><b>IF YOU ARE LOCATED IN:</b></p> <p><b>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,</b></p> <p><b>SEND APPLICATIONS TO:</b></p> <p>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</p>	<p><b>IF YOU ARE LOCATED IN:</b></p> <p><b>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</b></p> <p>MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352</p> <p><b>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,</b></p> <p><b>SEND APPLICATIONS TO:</b></p> <p>NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511</p>
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<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>06-02135-12G</u></p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>PerkinElmer Health Sciences, Inc. 710 Bridgeport Ave Shelton, CT 06484 Attn: Elizabeth Cantas, M/S 221</p>				
<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>710 Bridgeport Ave Shelton, CT</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Elizabeth Cantas</p> <table border="1"> <tr> <td>BUSINESS TELEPHONE NUMBER</td> <td>BUSINESS CELLULAR TELEPHONE NUMBER</td> </tr> <tr> <td>(203) 402-1999</td> <td>(203) 526-9165</td> </tr> </table> <p>BUSINESS EMAIL ADDRESS</p> <p>elizabeth.cantas@perkinelmer.com</p>	BUSINESS TELEPHONE NUMBER	BUSINESS CELLULAR TELEPHONE NUMBER	(203) 402-1999	(203) 526-9165
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<p>10. RADIATION SAFETY PROGRAM.</p>	<p>9. FACILITIES AND EQUIPMENT.</p>
<p>12. LICENSE FEES (Fees required only for new applications, with few exceptions*) (See 10 CFR 170 and Section 170.31)</p>	<p>11. WASTE MANAGEMENT.</p> <p>FEE CATEGORY <input type="text"/> AMOUNT ENCLOSED \$ <input type="text"/></p>

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

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<p>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</p> <p>Elizabeth Cantas Environmental Health &amp; Safety Manager, Radiation Safety Officer</p>	<p>SIGNATURE</p> <p><i>Elizabeth Cantas</i></p>	<p>DATE</p> <p>6/12/15</p>
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**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

06/12/2015, and to inform you that the initial processing which includes an administrative review has been performed.

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 588193/588194.  
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